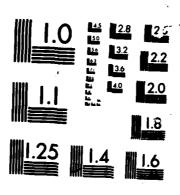
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# Special Report 85-19

November 1985





US Army Corps of Engineers

Cold Regions Research & Engineering Laboratory

# A description of the building materials data base for New Haven, Connecticut

Carolyn J. Merry and Perry J. LaPotin

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REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
Special Report 85-19  AD-AGG	SSION NO. TRECIPIENT'S CATALOG NUMBER
A. TITLE (and Subtitle)	5. TYPE OF REPORT & PERIOD COVERED
A DESCRIPTION OF THE BUILDING MATERIALS	¥ .
DATA BASE FOR NEW HAVEN, CONNECTICUT	
	6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(e)	8. CONTRACT OR GRANT NUMBER(s)
Carolyn J. Merry and Perry J. LaPotin	DW21930284-01-0
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
U.S. Army Cold Regions Research and	
Engineering Laboratory	
Hanover, New Hampshire 03755-1290	
11. CONTROLLING OFFICE NAME AND ADDRESS	12. REPORT DATE
U.S. Environmental Protection Agency	November 1985  13. NUMBER OF PAGES
Washington, D.C.	130
14. MONITORING AGENCY NAME & ADDRESS(If different from Controlling	@ Office) 15. SECURITY CLASS. (of this report)
	Unclassified
	154. DECLASSIFICATION/DOWNGRADING
17. DISTRIBUTION STATEMENT (of the ebetract entered in Block 20, if	different from Report)
18. SUPPLEMENTARY NOTES	
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19. KEY WORDS (Continue on reverse side if necessary and identity by or	bases
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# PREFACE

This report was prepared by Carolyn J. Merry, Geologist, Earth Sciences Branch, Research Division, U.S. Army Cold Regions Research and Engineering Laboratory, and Perry J. LaPotin, Research Engineer, Thaver School of Engineering, Dartmouth College, Hanover, New Hampshire.

This research has been funded as part of the National Acid Precipitation Assessment Program by the U.S. Environmental Protection Agency under reimbursable order number DW21930284-01-0.

The authors extend their appreciation to Dr. Harlan McKim, who was a co-investigator on this project, for his support and helpful technical discussions on the study; to Nancy Humiston, William Porter and 1st Lt. Jeffrey Songco for assistance in gathering the building inventory data in New Haven; to Nancy Humiston and Celia Nawawi for assistance in digitizing the sampling frame boundaries; to Doris French for typing the data into the computer; to Celia Nawawi and Sonya Travis for coding the data from the worksheets and editing the New Haven data base; and to Professors Thomas Adler and Colin High (Dartmouth College) for their technical reviews of this report.

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# A DESCRIPTION OF THE BUILDING MATERIALS DATA BASE FOR NEW HAVEN, CONNECTICUT

Carolyn J. Merry and Perry J. LaPotin

#### INTRODUCTION

SECTION CONTRACTOR NOTIFICAL CARRESTS

The Interagency Task Force on Acid Precipitation manages the National Acid Precipitation Assessment Program (NAPAP). There are ten Task Groups, one for each of the nine research areas in the national program and one for international activities (Table 1). The goal of NAPAP is to develop and improve a data base that will help us understand the causes and effects of acid deposition and how it can be effectively managed. Our work on the acid rain program has been with the Environmental Protection Agency in support of Task Group G, which looks at the Effects on Building Materials and Cultural Resources.

New Haven, Connecticut, was selected by Task Group G in December 1983 as the first New England test site (Fig. 1) to obtain ground truth data on building surface materials. Data were to be collected as part of an ongoing effort to examine the type and magnitude of building materials exposed to acid deposition in New England. Our data bases were to build upon prior data bases (St. Louis, Missouri; Baltimore, Maryland; Boston, Massachusetts) collected in support of the EPA Acid Precipitation Assessment Program (McFadden and Koontz 1980, TRC Consultants, Inc. 1983). Once sensitive building materials are located and their distribution understood within a few representative locations, the information will then be extrapolated and applied to other cities in the United States (Merry and McKim 1984).

This paper presents the data collected for New Haven, Connecticut. They will be presented as distribution summaries in the form of frequency tables, illustrative histograms and bar charts. In future reports the data will be analyzed to determine the suitability of various indicators in predicting building materials distribution.

Table 1. The ten Task Groups within the National Acid Precipitation Assessment Program (after Interagency Task Force on Acid Precipitation 1984).

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NOAA - National Oceanic and Atmospheric Administration

DOE - Department of Energy

DOI - Department of Interior

EPA - Environmental Protection Agency

USDA - United States Department of Agriculture

DOS - Department of State

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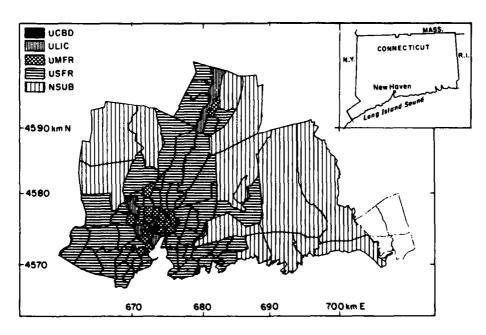


Figure 1. Sampling frames for the New Haven, Connecticut, area (after Rosenfield 1984).

# DESIGN OF THE FIELD SAMPLING PROGRAM

# Sampling frame definition

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The city of New Haven, Connecticut, was subdivided into the sampling frames of Urban Central Business District (UCBD), Urban Livelihood, Industrial-Commercial (ULIC), Urban Multi-Family Residential (UMFR), Urban Single-Family Residential (USFR) and Nonurban Suburbanizing (NSUB) (Fig. 1). Each sampling frame consists of a number of census tracts that have a

Table 2. The U.S. Geological Survey land use and land cover categories (after Anderson et al. 1976 and Rosenfield 1984).

Collapsed categories	I amal I	Level II				
used in this study	Level I	revel 11				
Ruilt	1 Urban or builtup land					
residential		ll Residential				
Built		12 Commercial and services				
nonresidential		13 Industrial				
		14 Transportation, communications and				
		utilities				
		15 Industrial and commercial complexes				
	<del> </del>	16 Mixed urban or builtup land				
		17 Other urban or builtup land				
	2 Agricultura	· · · · · ·				
Open land,		21 Cropland and pasture				
with buildings		22 Orchards, groves, vineyards, nurseries and ornamental horticultural areas				
		23 Confined feeding operations				
		24 Other agricultural land				
	3 Rangeland	24 Other agricultural land				
	3 Mangerand	31 Herbaceous rangeland				
Open land,		32 Shrub and brush rangeland				
without buildings		33 Mixed rangeland				
	4 Forest land	_				
		41 Deciduous forest land				
		42 Evergreen forest land				
		43 Mixed forest land				
Omitted from	5 Water					
analysis		51 Streams and canals				
		52 Lakes				
		53 Reservoirs				
		54 Bays and estuaries				
Open land,	6 Wetland					
without buildings		61 Forested wetland				
	<b>.</b>	62 Nonforested wetland				
	7 Barren land					
		71 Dry salt flats 72 Beaches				
		73 Sandy areas other than beaches				
		74 Bare exposed rocks				
		75 Strip mines, quarries, and gravel pits				
		76 Transitional areas				
		77 Mixed barren land				
		. LITURA ABITAN TONA				

certain commonality, based on population density, single-unit dwellings and land use (Rosenfield 1984). Two 1970 census variables were used: population density in persons per square kilometre and percent of dwelling units in one-unit structures. And three land use variables (circa 1973) were used: percent of area with residential buildings, percent of area with nonresidential buildings and percent of area that is open land (Table 2). The water surface area within a tract was excluded from consideration.

The census tracts in New Haven (Fig. 2) were clustered on the basis of the above census and land use variables using a multivariable clustering technique in the Statistical Analysis System (SAS) (Rosenfield 1984). The U.S.G.S. generated ten clusters and grouped them into the five sampling frames shown in Figure 1.

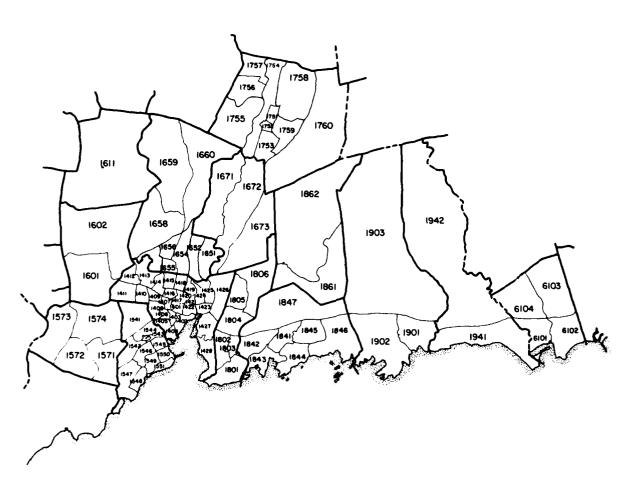


Figure 2. Census tracts for the New Haven, Connecticut, area (after U.S. Census Bureau 1970).

# Selection of sample points

STATES SECTION SECTION SECTIONS SECTIONS

We needed to sample 70 buildings in each sampling frame, a number calculated previously from the Revere, Massachusetts, data base of buildings (Merry and LaPotin 1985) by multiplying the minimum sample size determined from the cumulative multi-nomial distribution (30) by the design effect (2.34) (see Rosenfield 1984). To ensure at least 70 "hits" per sampling frame, we selected a minimum of 107 sample points for each sampling frame (thus allowing for no building being found in 35% of the sampled locations).

We digitized the irregular polygon outlines of the census tracts that composed each of the sampling frames from U.S. Geological Survey topographic maps. The polygon outlines were run through a computer program that determined the minimum and maximum x,y boundary points (in Universal Transverse Mercator [UTM] coordinates) of the smallest rectangle that could contain the polygon. We determined the area of the polygon and the area of the minimum-sized rectangle that contained the polygon. By knowing the ratio of the polygon area to the rectangle area, we could generate the appropriate number of points so that at least 107 points fell within each of the polygons that made up the total sampling frame.

The sample points were generated using a stratified, systematic, unaligned random sampling procedure (Fig. 3 and Appendix A). A similar sampling procedure (stratified, systematic, unaligned) was used previously by the U.S. Geological Survey for selecting samples for use in testing the

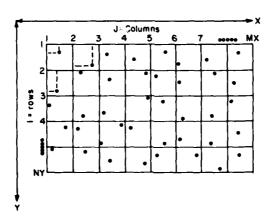


Figure 3. Schematic of stratified, systematic, unaligned random sampling scheme (after Rosenfield 1984).

Table 3. Number of sample points for the New Haven, Connecticut, building materials inventory.

Sampling frame	With buildings	Empty	Total	
UCBD	90 (84%)	17 (16%)	107 (100%)	
ULIC	53 (45%)	65 (55%)	118 (100%)	
UMFR	66 (60%)	45 (40%)	111 (100%)	
USFR	35 (31%)	78 (69%)	113 (100%)	
NSUB	41 (32%)	86 (68%)	127 (100%)	
Total	285 (49%)	291 (51%)	576 (100%)	

accuracy of the land use and land cover maps produced under the National Land Use and Land Cover Mapping Program (Ling and Rosenfield 1980). We modified the computer program to randomize the selection of points within the unaligned grid. Table 3 shows the total number of points that were generated for the New Haven field survey program. The UTM coordinates for each sample point are shown in Appendix B.

Each sample point had a corresponding "footprint" or a given spatial area on the ground that had to be sampled in the field. To determine the footprint size for each sampling frame, black and white aerial photography of New Haven (scale 1:12,000) was examined to determine the density of buildings in each of the five sampling frames. We wanted to make the footprint size large enough to capture at least one building, but small enough so that the field sampling program would be manageable.

A 100 by 100 ft (30.5 by 30.5 m) grid was passed over selected portions of the photography for each of the sampling frames to determine the likelihood of encountering a building. These density values were then used in a simple PASCAL program to determine the footprint size for each sampling frame (Appendix A). The footprint areas were then constrained to sample approximately 30% of the total area within the UCBD frame.\* The final footprint sizes are presented in Table 4.

<sup>\*</sup>Given that 107 samples were required within the UCBD, an "alpha" or proportionality coefficient was obtained. The proportionality value was then linearly applied to the remaining four sampling frames to determine footprint size as a function of frame density.

Table 4. Footprint sizes for the New Haven, Connecticut, sampling frames.

	Footprint size		
Sampling frame	(ft)	(m)	
UCBD	139	42	
ULIC	144	44	
UMPR	90	27	
USFR	87	26	
NSUB	364	111	

#### Field survey

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The field program began in March 1984 and was completed within two months by two-person teams. One person normally recorded the dimensions and material types of the building; the other person took photographs of the building and used an optical rangefinder to determine building height.

The building worksheet was developed by a committee composed of representatives from CRREL, the EPA's Environmental Sciences Research Laboratory at Research Triangle Park and the U.S. Bureau of Standards. The worksheet form was designed to provide information on: the spatial location of the building in UTM coordinates; characteristics of the surrounding terrain in terms of census tract, land use type and sampling frame; dimensions and type of building; lot size dimensions; material distribution percentages in the foundation, first story, and all above stories; and the surface area and material types for the roof, roof-mounted apparatus (vents, flues, stacks, skylights and flashing), chimneys, rain gutters, downspouts and fences, and outdoor accessories for each structure. The final worksheet used in the New Haven field survey is shown in Appendix B.

#### DATA DESCRIPTION

The data from the building worksheets were coded using the format described in Appendix B, <u>Building Worksheet</u> section. Each sample point was recorded on an individual data sheet during the survey. If the sample point was empty, the sections that concerned the description of the

building were coded as zeros. If there was more than one building per sample point, a separate worksheet was completed for every building. These worksheets were used to develop a composite building, which represented the average distribution of materials found for all the buildings in the footprint.\* The UTM coordinates for each point are shown in Appendix B. The procedures used to check the data are also outlined in Appendix B. They were analyzed using the Statistical Package for the Social Sciences (SPSS) software on a VAX-11/785 minicomputer (see Nie et al. 1975).

In Appendix C is a description of the variables assigned to the New Haven field data. The frequency runs for the variables are also in Appendix C. Page formats are organized so that for each variable, numeric summaries are provided first (for example, the labels for each value with frequency of occurrence and percent of the distribution), followed by graphic presentation (histogram or bar chart), and ending with statistical summaries (for example, mean, mode, skewness, kurtosis). The sample size is presented at the bottom of each summary section, along with the number of missing cases (or observations). Each observation corresponds to a footprint sample point for the five sampling frames in New Haven.

Variables with continuous distributions or discrete variables with large numeric diversity are graphically presented within a histogram. Variables with small numbers of categories (for example, sampling frame and land use) are presented by horizontal bar charts with the sample sizes shown within the bar areas. Summary statistics are included to describe the variable's distribution (for example, skewness and kurtosis).

Certain variables act as descriptors of building materials' exposure and distribution, for example, exposed walls in footprint (EWIF) and average wall height (HT). Their corresponding frequency runs are tabulated using the sample of size 285, the number of footprints where buildings were observed (Table 3). All other variables, not related to the building description, use the 576 total cases.

We did not achieve the minimum of 70 structures per sampling frame in New Haven (Table 3). For future sampling programs, more than 107 sample

<sup>\*</sup>Building averages were weighted according to the proportion of the structure contained within the footprint. Therefore, buildings that covered the majority of the footprint were weighted to account for their predominance.

#### FOOT FOOTPRINT SIZE

MONARM OFFICE ANGLES SECTION

VALUE LAB	EL.	VALUE	FREQUENCY	PERCENT	VALID PERCENT	
USFR		87	113	19. 6	19. 6	19. 6
UMFR		90	iii		19.3	38. 9
UCBD		139	107	19. 6	18. 6	57. 5
ULIC		144	110 127	20. 5 22. 0	20. 5 22. 0	79.0
NEUB		364				100. 0
		TOTAL	576	100. 0	100.0	
		I				
	USFR	1		113 I		
		I				
	UMFR	I		111 I		
		I				
	139 UCBD			07 I		
	OCBD			+		
	144	[				
	ULIC			110 I		
		I				
	364				,	
	NSUB	I		127 [	•	
		t tt				
		0 40	80 FRE	120 GUENCY	160	200
MEAN	169, 990	STD ERR STD DEV S E KURT RANGE SUM	4. 413	MEDI	AN 1	39. 000
MODE	364, 000	STD DEV	105. 922	VARI	ANCE 112	19. 520
KURTOSIS	~. 363	S E KURT	1. 997	SKEW	NESS	1. 176
S E SXEW	. 102	RANGE	277. 000	MINI	MUM	<b>9</b> 7. 000
MAXIMUM	364.000	SUH	97914. 000			
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERC	ENTILE	VALUE
10.00		25.00	90.000	33	). 30 ). 00 1	90. 000
	139,000	46. 70	144.000	75	6.00 1	44. 000
90. 00	364. 00 <b>0</b>					
VALID CASES	576	MISSING C	ASES 0			

Figure 4. Sample page of frequency analysis data.

points per frame would be needed. Another way to achieve the minimum, recommended by the U.S. Geological Survey, is to mask out all land areas in which the likelihood of encountering a building would be low before selecting the points. These areas would include land use types greater than 24 (see Table 2), which include rangeland, forest land, water, wetlands and barren land.

In Appendix C the column headings marked VALUE represent the actual observed value for the variable. FREQUENCY represents the number of cases of the individual values for the variable. Percent (PCT) and cumulative percent (CUM PCT) represent the percent of the total falling within the

specified category and the running cumulative percent, respectively; the cumulative percent for the last category is always 100. Figure 4 is an example of how the frequency runs are presented in Appendix C.

A more in-depth discussion of the summary statistics provided can be found in most elementary applied statistics texts (e.g. Snedecor and Cochran 1980).

#### DISCUSSION

The frequencies provided in Appendix C are separated into six sections.

In the <u>Major Classification Variables</u> section, the variables include the distribution of footprint size (FOOT), land use designation (LU), sampling frame (SFRAME), sample point number (SPOINT) and census tract (TRACT) for the 576 total observations.

The data for the variable FOOT are also shown in Tables 3 and 4. As noted, there are 107 sample points (footprints) in the UCBD sampling frame; the footprint size is 139 ft (42 m). The sample points were found to be equally divided between all five sampling frames, with approximately 20% of the sample points falling in each frame. The footprint sizes for each point within a sampling frame were calculated using the algorithm provided in Appendix A.

The land use classification for each sample point (LU) was based on digital land use information from the Geographic Information Retrieval and Analysis System (GIRAS) (Mitchell et al. 1977). The aerial photography source materials used in GIRAS are dated from 1972-74 (Loelkes 1977). The minimum mapping unit for the land cover map is 10 acres (0.04 sq km) for the level II categories 11-17, 23-24, 51-54, 75 and urban occurrences of 76 (see Table 2). The minimum mapping unit for the remaining level II categories was 40 acres (0.16 sq km).

When we examine land use designations, nearly 70% of the sampled footprints fall within the residential (24.0%), mixed urban or builtup land (22.4%) and deciduous forest (22.9%) categories. Cumulative percents indicate that 67.2% of the sampled structures fall within the level I category of urban or builtup land. The remaining 32.8% of the sampled footprints fall within the level I categories of agriculture, forest, water, wetlands and barren land, indicating empty footprints.

The sample point number (SPOINT) represents the sequence number of the sampled footprint within a given sampling frame. In the variable SFRAME, the minimum number of sampled points for a given subcategory is 107, corresponding to the UCBD class. The frequency table for SFRAME displays the sampled distribution and illustrates that all sampling frames contain the minimum of 107 points (four frames contain 111 points and above, three contain 113 and above, two contain 118 and above, and the last frame contains 127 sample points).

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The census tract (TRACT) variable represents the distribution of sampled footprints within a given tract. The majority of sample points (19%) occur in census tract 1 (census tract 1401, see Fig. 2 and Appendix C, <u>Description of Variables</u> section) corresponding to the UCBD sampling frame. Tract 7 (census tract 1754), which is part of the ULIC sampling frame, contains 10% of the sample points. The census tracts with 20 observations and above (tracts 1401, 1413, 1417, 1611, 1754, 1847 and 1903) have 283 of the possible 576 sample locations (49%). The remaining 51% are distributed uniformly, ranging from 0 to 5%, across the remaining census tracts.

The <u>Census Tract Data</u> section includes the available census tract information from the U.S. Bureau of Census and the U.S. Geological Survey GIRAS data base that corresponds to the 91 census tracts in the New Haven area. There were eight variables, based on the 1970 census, coded into our New Haven data base: the total population in the census tract (POP), the total number of housing (dwelling) units in a census tract (DU), the number of dwelling units in one-unit structures (U1), the total land area of the census tract (ALAND), the built residential land use (ABR), the built nonresidential land use (ABNR), the open land containing buildings (AOB) and the open land containing no buildings (AO). The land area values are displayed in millions of square feet.

The built residential category includes the level II urban category, residential (see Table 2). The built nonresidential category includes the urban categories of commercial and services, industrial, transportation, communications and utilities, industrial and commercial complexes, and the mixed urban or builtup land. The open land with buildings category includes the other urban or builtup land, and the entire level I agricultural, rangeland and forest land categories. The open without buildings includes the level I categories of wetlands and barren land.

The tract population (POP) variable shows a minimum value of 273 persons. A significant portion of the cases (19%) corresponded to census tract 1401 for the UCBD sampling frame. The average population per tract is 4092 persons. The range of population values found within the New Haven tracts vary from 273 to over 9100 people per census tract.

The total dwelling units (DU) in a given tract varies from 85 to over 3800. The average number of units is 1325, however; and 19% of the samples fall at 509 dwelling units, which again corresponded to the UCBD sampling frame (which has only one census tract in it).

The average number of dwelling units in one-unit structures (U1) is 689. The range of dwelling units is large, ranging from 17 to over 2300 units.

The remainder of the census tract variables in this section represent the millions of square feet of land within the built residential (ABR), built nonresidential (ABNR), open land with buildings (AOB), open land without buildings (AO), and the total land coverage (ALAND) (U.S. Bureau of Census 1970). In comparing the means of the above five variables, we find that the majority of the land in New Haven is open with buildings (AOB). Overall, we found the least amount of land in the category of open land without buildings (AO), averaging  $5.4 \times 10^6$  ft<sup>2</sup>. The built residential category occurs slightly more often than the built nonresidential category (31.5 vs  $11.6 \times 10^2$  ft<sup>2</sup> observed).

In the <u>General Building Description</u> section, frequencies are tabulated using the 285 cases where buildings were observed from the total 576 points sampled. Variables include the approximate age of the structure (AGE), exposed walls in the footprint (EWIF), average wall height (HT), lot size (LOT) and the building type (TYPE).

The first variable, AGE, represents the approximate age of the structure using the year 1900 as a base. For example, 1984 is represented as 84, 1900 as 0, and 1801 as -99. Only 8% of the observed structures were built prior to 1900. The majority of the structures observed were built from 1950 to 1984 (63%). The range of values shows a spread of 183 years in building age, a mean construction date of 1944 and a median construction date of 1950. The upper third of the building age distribution begins in 1965 and ends in 1984, the year representing the newest structure.

The exposed walls in footprint (EWIF) is the perimeter (feet) of the building, or buildings, in the footprint. EWIF is recorded to ultimately calculate the exposure of building wall surfaces observed within a sampled footprint. Of the 285 structures sighted, 67% had 232 ft or less of exposed wall surface. The histogram indicates that the distribution is skewed to the right (skewness = 1.97) with a mean value of 218 ft and a median exposure of 180 ft. The percentiles indicate that only 10% of the observed structures within footprints had 400 ft or more of exposed wall surfaces.

The average wall height (HT) in feet for a sampled structure is also provided in this section. The cumulative percentages suggest that the majority of observed wall heights are below 45 ft (80%). Using a 12-ft per story average (and 2-ft average for the foundation), we find that 16% of the observations are of one-story, or even smaller, structures, 48% are of two stories or less, and 68% are of three stories or less. The mean value of 36 ft corresponds to an average building size of three stories. The standard deviation of 34 ft reflects the variance in height of structures; the maximum observed height was 300 ft.

Lot size (LOT) represents the plot of ground surrounding the building being sampled. The person on the survey team estimated the lot size in the field by using markers, such as fences and the proximity of adjacent buildings. The units of lot size are in feet, the square root of a rectangular or square lot surrounding the structure. This variable is skewed to the right, reflecting the relatively small lots surrounding the majority of sampled New Haven structures. For 25% of the structures sampled, lots of 90 ft or less or 270 ft and above were observed. The mean value of 215 ft reflects the tail-effect of observations in the upper 33% and the corresponding large variance. Thus, the median of 150 ft (22,500 ft<sup>2</sup>) is probably more representative of the true lot size.

The building type classification (TYPE) is useful in determining the distribution of individual structures by their type or use. Of the 285 footprints containing buildings, 100 were found to be one-unit detached (35.1%). The majority of the remaining 185 structures observed were office or other commercial buildings (32.3%). Only one structure could not be identified by building use.

Actual spatial areas are presented in the <u>Spatial Areas of Building</u>
<u>Materials</u> section for the five composite building material classifications
recommended by the Interagency Task Force.\* These areas represent square
feet of building surface walls potentially exposed to acid deposition.

The five composite building materials computed included galvanized metal (AGALV), mortar-masonry (AMORT), painted materials (APAINT), stone materials (ASTONE) and all other materials (AOTHER). From the original building worksheet (Appendix B), the galvanized metal category includes bare galvanized steel. The mortar-masonry composite includes bare brick, bare block and bare field stone. Painted materials include the painted wood (excluding stained), painted steel, painted aluminum, painted masonry, painted concrete, painted stucco and all other painted surfaces. Stone materials encompass bare marble, bare limestone and bare granite. All other materials, the bare wood (including stained), bare concrete, bare glass, bare vinyl and other bare materials are contained within the AOTHER category.

Examining the area of painted materials, we see that 29% of the sampled structures have no painted wall surfaces. For those structures with painted surfaces, the exposure rises uniformly, with a mean exposure at 2402 ft<sup>2</sup> and a median of 928 ft<sup>2</sup>. A standard deviation of 4359 ft<sup>2</sup> reflects the wide range of exposures between individual structures (minimum of 0 ft<sup>2</sup>, maximum of 47,033 ft<sup>2</sup>). The distribution is strongly skewed to the right (skewness = 5.3) and is far more peaked (kurtosis = 42.9) than a normal distribution with similar mean and standard error. Percentiles indicate that 67% of the sampled buildings had 2337 ft<sup>2</sup> or less of exposed painted materials.

Areas of exposed mortar and masonry were observed for 152 structures, indicating that 47% of the buildings had no mortar or masonry wall exposure. (Of the total 576 sampled footprints, 26% contained buildings with mortar-masonry walls). The mean mortar-masonry surface area (2166  $\rm ft^2$ ) differs significantly from the median exposure (160  $\rm ft^2$ ), reflecting the skewness of the distribution to the right (skewness = 3.8). The range of mortar-masonry surface area is 35,056  $\rm ft^2$  and illustrates the large variability in walls with mortar-masonry construction (standard deviation of

<sup>\*</sup>Personal communication with F. Lipfert, Brookhaven National Laboratory, 1984.

4539 ft<sup>2</sup>). The quartile values indicate that 75% of the structures have exposures ranging from no mortar to 2696 ft<sup>2</sup>. Less than 50% of the structures had exposures greater than  $160 \text{ ft}^2$ .

The distribution of exposed wall areas in bare stone materials (ASTONE) shows the relative scarcity of this material in the sampled footprints. Cumulative frequencies indicate that 93.3% of the footprints with buildings have no exposed bare stone surfaces (only 19 stone facings for 285 buildings). Summary statistics suggest that buildings with exposed stone surfaces tend to be small in area (86 to 31,172 ft<sup>2</sup>) when compared to the exposed mortar-masonry and painted surfaces.

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A small number of structures had bare galvanized steel. Of the 285 footprints with buildings, 16 structures were built with some portion of bare galvanized steel. The summary statistics reflect the strong absence of galvanized walls, with median and mode values of 0. Of the sample footprints with buildings, 94% have no galvanized steel exposure.

The fifth composite material class is the category that includes all materials that were not classified in the previously mentioned categories. The frequency tables show that the areas of materials found within the AOTHER category are relatively continuous, nonclustering, and have a relatively uniform frequency distribution. The percentile values reflect the uniformity of the distribution for surface wall areas below the 75th percentile (1998  $\rm ft^2$ ). The upper 4% of the distribution rises sharply to a maximum exposure for an individual building of 55,680  $\rm ft^2$  of material.

The <u>Roof Materials</u> section includes the variables of the presence of chimneys (CHIM), exposed chimney area (CAREA), chimney material (CMAT), exposed roof area (ESAREA), roof material (ERMAT), roof slope (SLOPE) and the roof apparatus items for the observed buildings (AAP), roof apparatus material (RMAT), and number of roof apparatus items (ITEMS).

The mean surface area of an observed chimney (CAREA) is 73 ft<sup>2</sup> with a standard deviation of 334 ft<sup>2</sup>. Examining the percentiles, we see that the majority of chimney surface areas fall in the upper 10% of the distribution, with values greater than 120 ft<sup>2</sup>. Chimney areas ranged from no chimney observed (55\%) to the largest 4320-ft<sup>2</sup> chimney. Most chimneys were brick (32%), with roughly 6% of those chimneys observed being unidentifiable because the observer couldn't get a good look at it. There were 13 painted chimneys.

The exposed surface area of the roof (ESAREA) shows a wide range of values from 12 to  $185,000 \text{ ft}^2$ . The mean surface area observed was  $11,664 \text{ ft}^2$ . The roof material (ERMAT) was about equally divided between tar (37%) and asphalt shingles (40%). Most roofs were sloped (59%) rather than flat (41%), as shown by the SLOPE variable.

There were 30 roof apparatus (APP) items observed in New Haven. Most of these were vents, flues and stacks (83% of 30). The roof apparatus material (RMAT) was primarily other material types (37% of 30), followed by painted and bare aluminum surfaces (approximately 25% each of 30). A small amount of bare galvanized material (10% of 30) was observed for the roof apparatus items. Generally, a single roof item (ITEMS) was observed, with a maximum of 23 items observed per footprint.

The Rain Gutters, Downspouts, Fences and Other Accessories section contains that information for the 285 sampled structures.

Rain gutters (RGUT) were found on 101 structures (35%). Most rain gutters (RGMAT) were painted or bare galvanized steel and copper.

Downspouts (DSPOUT) were observed on 122 structures. The majority of downspouts were painted (84% of the 122 downspouts observed), with a small exposure of bare galvanized steel and copper. The average downspout (DSLENG) was 29 ft long with a maximum observed length of greater than 999 ft. Most spouts were between 20 and 40 ft long, corresponding to the first and second-story heights of an average-sized building. Note that the median and mode downspout length is 0 because of the large percentage of structures without downspouts (57%).

There were 77 fences (FENCE) observed within the sampled footprints. The majority of fences were either bare chain link (38% of the fences observed) or bare galvanized wire (19% of the observed) and masonry (17% of the observed). Percentiles indicate that 73% of the structures had no fences. The upper 75% of fence length ranges from 17 to 900 ft. Fence heights were primarily below 4 ft (90%) with a maximum observed height of 30 ft.

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Up to five accessory types could be recorded for a structure within a given footprint. A maximum of three accessory types (ACCESS1-ACCESS3) were actually observed within any given footprint. The most prevalent accessory types were handrails, signs, poles and mailboxes. The material types observed were basically other materials, ornamental metal and painted

material surfaces. The surface areas of the observed first accessory type ranged from 2 to  $2400 \text{ ft}^2$ . The remaining accessory types (second and third) were minor in their distribution, with 1% or less observed in any given category.

#### CONCLUSIONS

A building material sampling program for the New Haven, Connecticut, area was conducted during March and April of 1984. The stratified, systematic, unaligned random sampling procedure was applied to generate sample points across the five sampling frame areas. Using this procedure, we surveyed a total of 576 points representing a minimum of 107 sample footprints per frame. Diverse data were taken on building size and surface material, roof characteristics and roof apparatus, chimneys, gutters, downspouts, fences and other outdoor accessories.

The summaries provided present the New Haven data according to overall distribution by structure. Observed sample sizes indicate that greater than 65% over-sampling is required in New Haven to obtain the desired 70 footprints with buildings per sampling frame.

A summary of the composite material classes is provided in Table 5. Notice that 93% and 94% of the sampled structures exhibited, respectively, no bare stone and bare galvanized steel exposure. Of the remaining three categories, mortar-masonry exposure and other materials exposure were sighted on more than half of the sampled structures (53% and 95%, respectively). Median exposures suggest that APAINT and AOTHER account for the majority of material exposure per structure in New Haven. The relative scarcity of the ASTONE and AGALV classes, coupled with small mean surface

Table 5. Summary statistics of the composite material classes.

Composite material class	Mean exposure (ft <sup>2</sup> )	Median exposure (ft <sup>2</sup> )	Inner quartile (ft <sup>2</sup> )	Range (ft <sup>2</sup> )	Percent of structures not exhibiting the material class
APAINT	2402	928	0 to 3270	47,033	29
AMORT	2166	160	0 to 2696	35,056	47
AGALV	773	0	0 to 0	35,028	94
ASTONE	463	0	0 to 0	31,172	93
AOTHER	2185	740	328 to 1998	55,680	5

areas on buildings when sighted, stongly suggest that additional composite classes should be considered to adequately summarize the five composite materials.

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# APPENDIX A: PROGRAM LISTINGS

# Determining footprint size for each sampling frame

```
program FootSize (input, output);
```

Alabel := 'UMFR: ';

end:

ないというなど、それでもなっていました。これにはないのでは、またくくろうものできたがないとなる。

{Footsize is a simple program for calculating footprint size for other} (sampling frames based on some assumptions placed in the UCBD. The} (following assumption pertain to the UCBD:)

- [1. The sample size will be 107, allowing for empty footprints in 35% of] [the sampled locations.]
- (2. The alpha or proportionality coefficient, used to scale the remaining) (sampling frames will be set to ensure that 35% of the spacial area) (remains open in the UCBD)

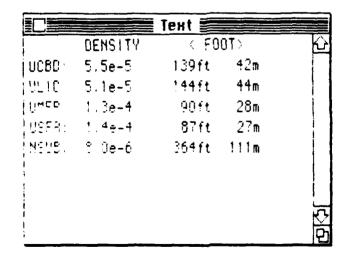
```
const
  size = 107:
                                       (sample size in the UCBD)
  frames = 5:
                                       (# of sampling frames)
  alpha = 0.009923:
                                       (proportionality coefficient derived)
                                    (from the 35% open area in the UCBD)
  footFt, footM: integer;
                                      (footprint size in both Feet and Meters)
  Alabel: str255;
                                      (A labeler for the sampling frames)
  i : integer;
                                      [some counter variable OK?]
 function density (frame : integer) : real;
(A simple function to return the density values to the main loop, it also)
(sets a labeler to be used in the final output table.)
 begin
  case frame of
   1:
    begin
      density := 5.5e-5;
      Alabel := 'UCBD: ',
    end;
   2:
    begin
      density := 5.1e-5;
      Alabel := 'ULIC: ';
    end:
   3:
    begin
      density := 13.0e-5;
```

```
begin
  density := 14.0e-5;
  Alabel := 'USFR: ';
  end;
5:
  begin
  density := 0.8e-5;
  Alabel := 'NSUB: ',
  end;
  otherwise
  end; {Case frame of}
  end;{Adensity}
```

# begin (main)

{Label the simple table and calculate the footprint sizes, first in feet} {and then in meters. Print back out the label, density, and footprint} {sizes on the current textport window}

```
writeln(' DENSITY < FOOT>');
showText;
for i = 1 to frames do
    begin
    footFt := round(sqrt(alpha * size / density(i)));
    footM := round(sqrt((alpha * size / density(i)) / 10.76));
    writeln(Alabel, density(i) . 5, footFt : 5, 'ft', footM : 5, 'm');
    end,
end.
```



# Stratified, systematic, unaligned random sampling scheme

program SystemRS (input, output);

[program SystemRS is useful for calculating two vectors of samples]
{according to the Stratified Systematic Unaligned Random Sample routine}
[the following variables are significant:]

(Size = the sample size or # of sample points to be generated by the program)
(Xmin,Ymin = the minimum X & Y coordinate allowable - needed to set the spacial plane)
(Xmax,Ymax = the maximum X & Y coordinate allowable - needed to set the spacial plane)

(For nice I/O the user should add a more lively Solicit and printback procedure, this) (example simply illustrates the algorithm to be used. It is written in vanilla Pascal) (so as to be transportable to other non-Mac environments. The function GetRandom) (will probably have to be changed on the non-Mac host but is general enough that this) (should cause no hardship... I hope)

#### var

WASHINGTON TO COME TO THE TABLET STREET, THE TABLET

Size, Xmin, Ymin, Xmax, Ymax: integer;

# procedure SolicitInfo;

{A simple procedure to solicit information in the current textport} (it assumes that the solicited variables are declared within the main)

#### begin

write('input the desired sample size:');
read(Size);
write('input the minimum X and Y coordinate:');
read(Xmin, Ymin);
write('input the maximum X and Y coordinate:');
read(Xmax, Ymax);
end:(SolicitInfo)

# procedure GeneratePts;

{here is the meat of the program. This procedure calls the GetRandom function to supply} {it with a random value between zero and 1. Based on the min and max values for both} {X and Y, the block size BlockLength is calculated and used to figure out the approximate} {no. of blocks that will fit in both the X and the Y plane (Xblock, Yblock). The systematic} {unaligned random sample points are calculated across the X,Y plane and assigned to} {the variables Xrandom and Yrandom}

#### var

BlockLength : real;
Xblock, Yblock, Xrandom, Yrandom : Longint;
X, Y : integer;

```
function GetRandom : real;
(GetRandom returns a random number from between lower and upper)
(it calls the Mac Random * generator and uses a random seed digit)
(in this way the procedure is randomly random, which I should think)
(is more than random enough!)
   var
    bone: Longint;
  beain
   RandSeed := Random; {first set the seed value to be random}
   bone := Random; (set some variable, that we don't care about to be the)
 (re-randomized value which is somwhere between -32768 and 32767)
   bone := trunc(abs(bone - 1)); (we need a positive longint value Oh!)
 (bone now varies between 0 and 32767)
   GetRandom := bone / 32767; (returns first, a real value that ranges from zero to 1)
  end; (GetRandom)
 begin (GeneratePts)
(calculate the individual block sizes)
  BlockLength := round(Sqrt((Xmax - Xmin) * (Ymax - Ymin) / Size));
(next, determine the approx # of blocks in the x,y plane)
  Xblock := round((Xmax - Xmin) / BlockLength);
  Yblock := round((Ymax - Ymin) / BlockLength);
  writeln('*').
  writeln(Xmin, Ymin, Xmax, Ymax);
  writeln('*');
  for X = 1 to Xblock do
   begin (X)
     for Y := 1 to Yblock do
      begin {Y}
       Xrandom := trunc(BlockLength * (GetRåndom + X - 1)) + Xmin;
       Yrandom = trunc(BlockLength * ((Yblock - Y + 1) - GetRandom)) + Ymin;
     ( now print the Vector of SURS values )
       writeln('X = ', Xrandom, ' Y = ', Yrandom);
       end; {Y}
     end; (X)
  end, (GeneratePts)
```

SECOND ASSESS NAMED ASSESS EXCESS EXCESS

begin (main) showText; SelicitInfo; GeneratePts; end.

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APPENDIX B: DATA

# UTM coordinates for each sample point

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			<b>5</b> 4	672741 50	457450 <i>0.0</i> 0
Number	UTM East	UTM North	54	673741.50	4574590.00 4574490.00
1	673019.13	4574509.00	55 56	673763.63 673742.88	4574411.00
2	673140.88	4574643.00	56	· -	4574353.00
3	673141.63	4574543.00	57 50	673743.63	4574217.00
4	673142.38	4574486.00	58	673779.75	
5	673143.00	4574407.00	59	673780.38	4574139.00 4574082.00
6	673174.25	4574688.00	60	673759.75	
7	673231.75	4574630.00	61	673803.13	4574998.00
8	673232.50	4574530.00	62	673796.50	4574983.00
9	673233.25	4574473.00	63	673818.50	4574882.00
10	673233.88	4574394.00	64	673819.25	4574825.00
11	673257.75	4574740.00	65	673819.88	4574725.00
12	673258.50	4574604.00	66	673820.63	4574668.00
13	673259.25	4574525.00	67	673856.75	4574532.00
14	673273.88	4574489.00	68	673857.50	4574474.00
15	673261.88	4574366.00	69	673858.13	4574374.00
16	673284.00	4574343.00	70	673804.50	4574293.00
17	673325.63	4574636.00	71	673862.00	4574213.00
18	673361.75	4574557.00	72	673812.75	4574177.00
19	673362.50	4574500.00	73	673892.38	4575043.00
20	673384.63	4574400.00	74	673871.63	4574986.00
21	673363.88	4574286.00	75	673915.25	4574907.00
22	673479.25	4574596.00	76	673929.88	4574771.00
23	673437.25	4574582.00	77	673895.75	4574693.00
24	673416.63	4574502.00	78	673875.13	4574669.00
25	673417.13	4574367.00	79	673876.50	4574534.00
26	673439.25	4574324.00	80	673898.63	4574511.00
27	673440.00	4574245.00	81	673920.75	4574389.00
28	673542.00	4574555.00	82	673921.50	4574311.00
29	673521.38	4574476.00	83	673900.75	4574275.00
30	673500.63	4574362.00	84	673922.75	4574153.00
31	673501.38	4574339.00	85	673902.00	4574095.00
32	673502.00	4574260.00	86	674017.00	4574940.00
33	673481.38	4574204.00	87	674017.75	4574861.00
34	673562.50	4574591.00	88	673977.25	4574802.00
35	673584.63	4574512.00	89	673978.00	4574745.00
36	673585.38	4574377.00	90	673957.25	4574666.00
30 37	673586.00	4574334.00	91	673958.00	4574530.00
38	673622.13	4574219.00	92	673958.63	4574451.00
39	673622.88	4574140.00	93	673959.25	4574373.00
40	673582.38	4574124.00	94	673960.00	4574350.00
41	673698.75	4574768.00	95	674017.50	4574236.00
42	673699.38	4574710.00	96	673996.88	4574157.00
42	673678.75	4574631.00	97	673997.50	4574099.00
	673700.75	4574552.00	98	674098.50	4574937.00
44		4574495.00	99	674056.50	4574879.00
45	673658.75		100	674078.38	4574822.00
46	673659.38	4574417.00	101	674057.75	4574721.00
47	673638.75	4574359.00	101	674058.38	4574643.00
48	673682.25	4574258.00	102	674037.75	4574585.00
49	673682.75	4574201.00		674057.50	4574352.00
50	673662.13	4574122.00	104		
51	673743.13	4574823.00	105	674117.88	4574918.00
52	673761.50	4574705.00	106	674120.00	4574681.00
53	673740.75	4574648.00	107	674105.63	4574602.00

108	659756.00	4583907.00	169	670709.88	4572158.00
109	659896.63	4584677.00	170	670854.50	4571842.00
110	660149.63	4584218.00	171	679953.88	4589000.00
111	659904.63	4583759.00	172	679834.50	4588668.00
112	660621.00	4584408.00	173	679815.88	4588236.00
113	660500.50	4583867.00	174	680352.13	4589504.00
114	661104.38	4584174.00	175	680151.75	4589254.00
115	660953.00	4583621.00	176	680155.63	4588798.00
116	661124.50	4583119.00	177	680406.50	4588343.00
117	661303.88	4584180.00	178	680687.75	4590194.00
118	661269.00	4583760.00	179	680815.13	4589492.00
119	661522.13	4583052.00	18Ø	680738.25	4589242,00
120	661238.25	4582880.00	181	680618.75	4588786.00
121			182		
	662043.00	4584146.00		680541.88	4588412.00
122	662047.00	4583437.00	183	681160.13	4591978.00
123	662051.00	4582978.00	184	681096.50	4591590.00
124	662187.63	4583876.00	185	680896.13	4590888.00
125	662522.38	4583542.00	186	681227.88	4590557.00
126	662195.63	4582958.00	187	681027.50	4589978.00
	•				
127	662729.88	4583665.00	188	681603.38	4594242.00
128	673604.63	4573462.00	189	681742.75	4592749.00
129	673273.13	4572996.00	190	681623.38	4592417.00
130	673612.88	4572530.00	191	681627.38	4591839.00
131	673747.38	4573899.00	192	682240.38	4595286.00
132	674004.13	4573525.00	193	682082.50	4594993.00
133	674008.25	4573059.00	194	682209.88	4594414.00
134	674012.25	4572719.00	195	682136.88	4594159.00
135	674277.25	4573840.00	196	682225.75	4593743.00
136	674881.88	4574033.00	197	682106.38	4593164.00
137	675126.38	4573878.00	198	681948.50	4592994.00
138	675040.88	4573874.00	199	681913.88	4592454.00
139	671134.38	4575379.00	200	682617.25	4596263.00
140	671142.25	4574350.00	201	682463.25	4596135.00
141	671146.25	4574020.00	202	682343.88	4595634.00
142	671722.13	4575118.00	203	682347.88	4595179.00
143	671480.38	4574910.00	204	682351.75	4594396.00
144	671730.13	4574211.00	205	682355.75	4594268.00
145	671734.00	4573881.00	206	682359.75	4593813.00
146	672310.00	4574979.00	207	682487.13	4593235.00
147	672191.13	4574772.00	2Ø8	682803.00	4596302.00
148	669774.88	4579063.00	209	682930.38	4595950.00
149	670344.13	4578917.00	210	683057.75	4595618.00
150	670347.88	4578490.00	211	682938.38	4595163.00
151	670044.00	4578371.00	212	682942.25	4594584.00
152	670355.38	4577751.00	213	682749.88	4593423.00
153	670167.25	4577516.00	214	683478.13	4596346.00
154	670605.75	4579195.00	215	683239.63	4595640.00
155	670549.63	4578828.00			
			216	682025.75	4597046.00
156	670669.25	4578285.00	217	682133.63	4597421.00
157	670557.13	4577857.00	218	682238.25	4597204.00
158	670676.75	4577314.00	219	682346.13	4596624.00
159	670564.63	4577119.00	220	682723.13	4597191.00
160	671119.00	4578990.00	221	682625.13	4596715.00
161	671130.25	4577708.00	222	683103.38	4596978.00
162	670826.25	4577396.00	223	683005.38	4596706.00
163	670830.00	4577161.00	224	683214.50	4596968.00
164	671371.88	4577890.00	225	683319.13	4596864.00
165	671375.63	4577271.00	226	670047.63	4576826.00
166			227	670184.13	4576206.00
	671379.38	4577151.00			
167	671383.13	4576724.00	228	670188.38	4575850.00
168	670393.63	4571847.00	229	670376.13	4576629.00

224	670200 20	4576493.00	291	674720.88	4576988.00
230	670380.38	4575722.00	292	674989.63	4576368.00
231	670316.38	4575453.00	293	674861.63	4575880.00
232	670452.88		294	674865.88	4575392.00
233	670991.88	4576497.00	295	674870.25	4574904.00
234	670863.88	4576009.00		674874.50	4574549.00
235	671521.00	4575836.00	296		4576641.00
236	671525.25	4575348.00	297	675200.13	4576504.00
237	671674.50	4573529.00	298	675336.63	4576016.00
238	671354.50	4571650.00	299	675341.00	
239	671776.88	4575844.00	300	675345.25	4575396.00 4574909.00
240	672004.50	4575352.00	301	675349.50	
241	672013.00	4574377.00	302	675353.75	4574421.00
242	672153.88	4573401.00	3Ø3	676012.25	4576796.00
243	672158.13	4572913.00	304	676016.50	4576176.00
244	671710.13	4571427.00	3Ø5	675756.25	4575953.00
245	671846.63	4571291.00	306	676025.00	4575200.00
246	672338.75	4577436.00	307	675828.75	4575045.00
247	672343.00	4576729.00	3Ø8	675700.75	4574557.00
248	672347.25	4576460.00	309	675705.00	4574070.00
249	672351.50	4576105.00	310	676140.25	4577151.00
250	672355.75	4575485.00	311	676148.75	4576527.00
251	672492.25	4575129.00	312	676504.38	4575820.00
252	672496.63	4574641.00	313	676157.25	4575332.00
253	672368.63	4574021.00	314	676512.88	4574712.00
254	672240.63	4573666.00	315	676851.38	4575824.00
	672377.13	4573046.00	316	676548.75	4574717.00
255	672381.38	4572690.00	317	672184.88	4579484.00
256	672517.88	4572202.00	318	672666.50	4580061.00
257	672261.88	4571227.00	319	672670.63	4579591.00
258		4577860.00	320	672802.00	4579122.00
259	672882.00	4577372.00	321	673271.38	4580724.00
260	672886.25	4576733.00	322	673148.25	4580509.00
261	672690.00	4576597.00	323	673152.25	4580040.00
262	672826.50		324	673029.13	4579571.00
263	672830.75	4576109.00	325	673634.00	4580827.00
264	672835.13	4575489.00		673387.75	4580143.00
265	672707.13	4575133.00	326		4591209.00
266	672711.38	4574645.00	327	681436.88	4592208.00
267	672847.88	4574158.00	328	682094.50	4591634.00
268	672984.38	4573538.00	329	681901.00	4591186.00
269	672988.63	4573182.00	330	681904.88	4592625.00
270	672992.88	4572430.00	331	682365.25	
271	672997.13	4572074.00	332	682247.50	4592055.00 4591728.00
272	673278.75	4577112.00	333	682129.88	
273	673634.25	4576624.00	334	682133.75	4591280.00
274	673163.50	4575644.00	335	682728.63	4592463.00
275	673190.63	4574298.00	336	682611.00	4591813.00
276	673194.88	4574162.00	337	670099.63	4581166.00
277	673199.13	4573674.00	338	670585.88	4579691.00
278	673977.13	4577380.00	339	672368.50	4581043.00
279	673716.75	4577025.00	340	671781.00	4578966.00
280	673985.63	4576272.00	341	671958.25	4576596.00
281	673994.13	4575297.00	342	673857.38	4582056.00
282	674456.38	4577385.00	343	673632.38	4579787.00
283	674328.38	4577029.00	344	675686.50	4581234.00
284	674332.63	4576409.00	345	675387.88	4579782.00
285	674469.13	4575789.00	346	674610.50	4578809.00
286	674341.13	4575433.00	347	675629.88	4573017.00
287	674349.75	4574941.00	348	677442.13	4581229.00
288	674354.00	4574453.00	349	677622.25	4579298.00
289	674358.25	4574098.00	350	677009.63	4578160.00
290	674848.88	4577343.00	351	676685.38	4576734.00
270	01404000				

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Feetwal	352	676731.75	4570165.00	413	607369 59	4555050 00
	353	677704.75	4569191.00	414	687360.50 686097.50	4577258.00 4576279.00
	354	668682.75	4577708.00	415	688613.13	4579525.00
	355	668571.63	4574855.00	416	688312.88	4577584.00
<u> </u>	356 357	669177.75 668991.00	4575496.00	417	679098.25	4571594.00
	358	669006.13	4575213.00 4573481.00	418 419	679113.88 678644.63	4569321.00
	359	668788.88	4572011.00	420	679645.88	4568017.00 4571047.00
	360	668327.00	4570728.00	421	679176.50	4569258.00
	361 362	667552.00	4568490.00	422	681950.75	4570515.00
	363	669327.75 669343.13	4571949.00 4570189.00	423	683270.13	4572257.00
	364	669358.63	4568428.00	424 425	683770.63 683301.38	4570468.00
	<b>36</b> 5	671627.13	4570127.00	426	686060.00	4568680.00 4571725.00
	366	671642.50	4569157.00	427	685105.63	4570421.00
	367 368	660529.00	4571548.00	428	668641.88	4567643.00
	369	660544.63 663379.25	4571048.00	429	679037.88	4587883.00
	37ø	663394.88	4574013.00 4572226.00	430 431	677778.88 677794.38	4587387.00
45	371	662925.88	4570438.00	432	678769.50	4585618.00 4582888.00
	372	664728.63	4579265.00	433	679760.25	4587640.00
	373	665228.75	4577962.00	434	680255.50	4587145.00
	374 375	665244.38 664775.50	4575206.00	435	679791.13	4585375.00
	375 376	665327.63	4574388.00 4572549.00	436 437	680766.38	4583605.00
	377	664858.75	4570277.00	438	682056.25 682102.75	4590127.00 4584818.00
	378	665859.13	4579103.00	439	682118.25	4583048.00
	379	665874.75	4576832.00	440	683093.38	4589570.00
	380	667271.00	4574951.00	441	678846.13	4595056.00
	381 382	665999.75 666015.38	4574451.00 4573148.00	442	677611.50	4590998.00
	383	666515.50	4570392.00	443 444	678109.63 679406.50	4590500.00 4596259.00
(5)	384	666062.38	4569073.00	445	679904.63	4595278.00
	385	670957.75	4584318.00	446	680719.13	4592700.00
	386 387	671450.75 672005.38	4582079.00	447	679935.75	4591720.00
	387	674799.00	4585017.00 4583969.00	448 449	681730.75	4597463.00
	389	676031.63	4589721.00	450	681746.25 665882.75	4595201.00 4591359.00
	390	675091.75	4588915.00	451	665899.75	4589942.00
	391	676226.75	4586511.00	452	665916.75	4587998.00
	392	676719.75	4583795.00	453	668405.00	4591291.00
	393 394	676735.13 677451.63	4582511.00 4589300.00	454 455	667894.88	4589347.00
	395	677284.25	4588016.00	455 456	667039.00 668456.00	4587403.00 4585986.00
	396	677438.63	4586568.00	457	669872.88	4591223.00
	397	677454.00	4585284.00	458	669017.00	4588752.00
	398	677586.25	4582567.00	459	669051.00	4586263.00
	399 400	678145.38 678646.88	4580953.00	460	671554.38	4592013.00
	401	678176.75	4580451.00 4578659.00	461 462	671571.75 670517.13	4588965.00
	402	679164.13	4576381.00	463	672194.25	4588060.00 4591182.00
3540 : 1888	403	678693.88	4575075.00	464	672211.50	4590284.00
	404	679195.50	4572797.00	465	672228.75	4588307.00
	405 406	680501.63 679728.50	4581663.00	466	672246.13	4586867.00
	407	680230.13	4579369.00 4578382.00	467 468	672799.25	4583818.00
	408	679759.88	4577076.00	469	673623.25 673923.00	4591102.00 4587149.00
, i	409	680261.50	4575284.00	470	673957.50	4584619.00
	410	681860.13	4582081.00	471	664042.88	4585352.00
	411	681588.38	4576219.00	472	664060.25	4584796.00
	412	687345.00	4579514.00	473	663539.00	4582810.00
La						

474	664633.50	4580285.00	526	691682.75	4571561.00
475	665560.13	4586696.00	527	691700.13	4568513.00
476	665577.50	4584709.00	528	693140.38	4580785.00
477	666133,38	4582185.00	529	693693.50	4578809.00
478	665612,25	4580737.00	530	693175.00	4577368.00
479	668189,38	4584066.00	531	693728.00	4574857.00
480	668206.75	4582080.00	532	692380.00	4573710.00
481	667604.50	4579822.00	533	693820.38	4570846.00
482	668513.63	4578374.00	534	692414.63	4568335.00
483	670517.38	4584246.00	535	694315.63	4577651.00
	683400.38	4594283.00	536	694799.00	4581728.00
484		4594710.00	537	695261.75	4574985.00
485	684908.13	4592758.00	538	696345.13	4581575.00
486	684925.13		539	696886.75	4580165.00
487	686944.75	4594607.00 4592656.00	540	696903.75	4577704.00
488	686961.75	4591052.00	541	696395.88	4575769.00
489	686631.88		542	696937.50	4573833.00
490	682782.25	4587912.00	543	698348.25	4581491.00
491	682551.25	4585175.00	544	697756.38	4577620.00
492	685028.38	4588454.00	545	697237.00	4575684.00
493	684520.50	4587043.00		698801.25	4573207.00
494	684537.38	4585632.00	546 547	688542.38	4594212.00
495	685079.13	4582648.00		688086.88	4592477.00
496	687014.50	4588911.00	548	688572.63	4590741.00
497	687031.38	4586451.00	549	688117.25	4589005.00
498	686523.63	4585040.00	55Ø	688680.13	4587868.00
499	686540.50	4583105.00	551 553	688160.25	4586424.00
500	684081.88	4581070.00	552		4583906.00
501	684098.38	4579686.00	553	689251.88 690713.00	4587798.00
502	685161.38	4581020.00	554		4585817.00
503	684663.13	4579121.00	555 556	690730.38	4584373.00
504	686047.13	4577222.00	556	690210.50	4589173.00
5Ø5	686578.63	4580970.00	557	693265.75	4587729.00
506	682340.63	4575840.00	558	692746.00	4585748.00
5Ø7	682357.75	4574595.00	559	692763.25	
508	684890.63	4575959.00	560	692243.50	4584304.00
509	684907.88	4573994.00	561	694224.50	4588800.00
510	685509.50	4575340.00	562	694778.88	4587660.00
511	685526.75	4573908.00	563	695333.38	4585679.00
512	686627.25	4570859.00	564	693924.13	4583161.00
513	688077.00	4574721.00	565	695922.38	4587053.00
514	687085.50	4572349.00	566	697626.25	4585349.00
515	687102.75	4571799.00	567	697395.38	4583080.00
516	688980.88	4580140.00	568	699180.00	4583796.00
517	689551.13	4577610.00	569	699576.63	4578483.00
518	689568.50	4575098.00	570	700017.13	4576482.00
519	689049.88	4573658.00	571	699604.13	4574908.00
520	689067.25	4571146.00	572	700044.75	4572907.00
521	691596.38	4580906.00	573	701233.25	4576399.00
522	691077.88	4578930.00	574	701687.75	4575252.00
523	690559.38	4577489,00	575	701274.75	4574091.00
524	691112.50	4574977.00	576	702917.50	4574008.00
525	691129.75	4573537.00			

Final Draft 1/3/84

## BUILDING INVENTORY WORKSHEET

## For Pilot Study

1.1	State	County	Tract/MCD			
	Land use class _					
	Photo ID					
	<u>-</u>					
	_					
1.2	UTM Coord.	N km	E km			
	Geog Coord	lat N	long W			
	USGS quad, date					
2.	Building Descript	ion:				
2.1	Type of Structure (Check One)					
	Residential Buil	ding				
	Housing Unit					
	l Unit Detac					
	1 Unit Attac	ned				
	2 Units 3 and 4 Unit	•				
	5 to 9 Units					
	10 to 19 Uni		4			
	20 to 49 Uni					
	50 or More U					
	Nonhousekeepin					
		tories, frater				
	•	houses, nurses				
	and cimilar f	(saitifies				

	Nonresidential Building
	Office Building Other Commercial Industrial Hospital or Institutional Religious Educational Other Nonresidential
	Farm (nonresidential)
	Other (Identify structure)
	Cannot Identify
2.2	Gross Lot Dimensions, including extension to center of street (f).
2.3	Sketch Building Exterior Plan, indicating (1) dimensions of building exterior (f) and (2) the location of !orizontal guttering runs with dashed lines.
2.4	Number of Stories, excluding foundation
2.5	Average Wall Height (f)(from grade to roof)
2.6	Approximate Age of Structure (yrs)

3.	Mater	ials	Invent	ory:

3.1	Walls
	(Indicate type of wall by entering the percentages of exterior
	wall surface area beside each type. Include areas of glazing
	and doorway under their proper material types.)

3.1	(Ind:	ted Walls icate percentages for		orizontal		
	eacl	h substrate material.)	Founda- tion		All Stories Above 1st	Percent (%) of Total Wall Are
:	3.1.1.1	Wood (excl. stained)				
	3.1.1.2					
	3.1.1.3					
	3.1.1.4	· ·				
	3.1.1.5					
	3.1.1.6	Stucco Other (Identify				
•		Material )				
;		Cannot Identify				
		TOTAL	100	100	100	100
3.		Walls icate percentages for h surface material.)		orizontal	ll Area of Section All Stories	Percent (%) of
	EAC	in surface material.)	tion		Above 1st	Total Wall Are
	2 1 2 1	Maganyu (Chark		<u> </u>		
		Masonry (Check Brick,			<del></del>	
		Block, or				
		Field Stone)				
	3.1.2.2					
		Marble				
	3.1.2.4 3.1.2.5	Limestone				
		Galvanized Steel				
		_		<del></del>		
	3.1.2.8					
	3.1.2.9				<del></del>	
		Other (Identify				
		Material)				
	3.1.2.11	Cannot Identify				
		TOTAL	100	100	100	100
	.2 Roofs					
3		figuration: Check whet loped or Flat				
		a of Exposed Surface (f	· <sup>2</sup> )	<del></del>		
3		osed Roof Material eck Predominant Materia	11)			
			34			

7(27)U7)U7(27	መጀንፈት የአመት መጀን መጀንፈት መጀንፈት የተመለከት የተመደር እንደ የተመረጃ አለት የተመረጃ አለት የተመረጃ አለት የተመረጃ አለት የተመረጃ አለት የተመረጃ አለት የተመረጃ	CONTRACTOR	ristoria de la returba la facilità de la compa
	3.2.3.1 Asphalt Shingle	_	
	3.2.3.2 Wood	<del></del>	
	3.2.3.3 Painted Metal		
	3.2.3.4 Bare Galvanized 3.2.3.5 Tile	<del></del>	
	3.2.3.6 Slate		
	3.2.3.7 Copper		
	3.2.3.8 Other (Identify Material		
		)	
	3.2.3.9 Cannot Identify		
	3.2.4 Roof-Mounted Apparatus	Material	Number
		Enter material: painted, bare	of
		galvanized, bare aluminum, other	Items
		(identify material), or cannot	
		identify. For skylights, enter	
		framing material only.]	
	3.2.4.1 Vents, Flues, Stacks		
	3.2.4.2 Skylights	<del></del>	
	3.2.4.3 Flashing		N.A.
		•	
	3.3 Chimneys		
	3.3.1 Exposed Surface Area Above R	naf (£2)	
	J.J.1 Exposed Sulface Alea Above R		
	3.3.2 Enter Material: Painted, Br	ick, Stone, Other (Identify Mater	ial),
	or Cannot I	dentify.	
	3.4 Rain Gutters		
	J.4 REIN OULLEIS		
	3.4.1 Check if No Gutters		
	3.4.2 Rorizontal Runs		
		ized, Vinyl, Painted, Copper,	
	Other (Iden	tify Material), or Cannot Identif	у
	3.4.3 Downspouts		
	3.4.3 Downspouts (Enter sum of heights for al	l downspouts.)	
	(Since our of headwar bar ar	·•	
		Downspouts	
		(f)	
	3.4.3.1 Bare Galvanized 3.4.3.2 Vinyl		
	3.4.3.2 Vinyl 3.4.3.3 Painted	<del></del>	
	3.4.3.4 Copper	<del></del>	
	3.4.3.5 Other (Identify Material		
		.)	
	3.4.3.6 Cannot Identify		
	3 5 Fanana		
	3.5 Fences (Enter length and height.)	Length (f) Height	(f)
	(mines wenden and nevence)		
	3.5.1 Bare Galvanized Chain Link		<del></del>
	3.5.2 Bare Galvanized Wire Mesh		

		Length (f)	Height (f)
3.5.3	Painted (Enter percent of area the solid	at is	
3.5.4	Masonry (Check Brick Block Block Field Stone	_, or	
3.5.5	Unpainted Wood		
3.5.6	Other (Identify Material		
3.5.7	Cannot Identify		
3.6 C	Outdoor Accessories. Descritanks, handrails, poles, features) of the following aluminum, bare steel, co	mailboxes, benches, sig materials: painted,	ns, ornamental building bare galvanized, bare
	Accessory	Material Ex	posed Surface Area (f <sup>2</sup> )
-			
-			
-			
-			<del></del>

#### Procedures used to check the data

The data were checked several ways to ensure that the data base was correct.

A major check of the material type percentages and the Exposed Wall in Footprint (EWIF) value in comparison to the lot size and building dimensions was done before printing a frequency run of the entire data set.

We checked the percentage to ensure that the sum of all material types for the three stories of the building totaled 100%. Also, during the same computer run, we checked to see that every building had a foundation. (In some cases, the field team had not recorded a foundation. For these cases, the photograph of the building was examined to determine the material type of the foundation.) We assumed 12 ft for the first story component of the building. During the same computer run, we would print out cases where the building height was greater than 14 ft (assuming 2 ft for the foundation

and 12 ft for the first story) and there were no percentages recorded for the second and above stories.

Control of the Contro

The EWIF value was compared against the lot size and the building side dimensions. A printout of these values was obtained for every building. We assumed that the building sides were the square root of the exposed roof area (ESAREA value) and would check to make sure that the EWIF was not larger than the building sides. There was also a check to ensure that the building was not larger than the lot size dimensions.

Several hand calculations were done for the building surface wall areas and compared against the computer-calculated wall surface areas. These values had to be consistent for different types of materials for a given building.

The frequency runs were checked several times for every variable. The empty footprints were noted for each sampling frame and verified against the number of buildings expected for each sampling frame. The tally of land use and census tract numbers also had to be correct for each sampling frame. The number of roof areas had to equal the number of buildings.

The number of cases had to be the same for a given accessory. For example, the number of material types and the surface area values had to be the same for the variables of roofs, fences, downspouts, rain gutters and roof-mounted apparatus. Although not every building had all these components, if the value was recorded, then each material type had to have a corresponding surface area.

Strange or unexpected numbers for all the variables were always double-checked against the building worksheets. For example, the EWIF values were always fairly even or divisible by 5 (as most people estimated building height in terms of 5-ft intervals). Any unusual numbers or large numbers were double-checked, not only for the EWIF, but for the other variables as well.

## APPENDIX C. RESULTS OF FREQUENCY RUNS

#### Description of variables

Variable name	Brief description	Detailed description
FOOT	Footprint size	Footprint size (ft) associated with sampling point. For New Haven the footprint sizes were: UCBD = 139 ft, ULIC = 144 ft, UMFR = 90 ft, USFR = 87 ft and NSUB = 364 ft.
LU	Land use	U.S. Geological Survey land use classification, where:
	ll = residential, 12 = commercial and services, 13 = industrial, 14 = transportation, communications and util 15 = industrial and commercial complexes, 16 = mixed ut builtup land, 17 = other urban and or builtup land, 21 cropland and pasture, 22 = orchard, groves, vineyards, nurseries, and ornamental agricultural areas, 23 = confeeding operations, 24 = other agricultural land, 31 = herbaceous rangland, 32 = shrub and brush rangeland, 33 mixed rangeland, 41 = deciduous forestland, 42 = evergr forestland, 43 = mixed forestland, 51 = streams and car = lakes, 53 = reservoirs, 54 = bays and estuaries, 61 = forested wetland, 62 = nonforested wetland, 71 = dry sa flats, 72 = beaches, 73 = sandy areas other than beache bare exposed rock, 75 = strip mines, quarries, and grav pits, 76 = transitional areas, 77 = mixed barren land.	
SFRAME	Sampling frame	Sampling frame, where:
Spoint	Sample point	1 = UCBD 2 = ULIC 3 = UMFR 4 = USFR 5 = NSUB  Sampling point number within sampling frame.
	number	
TRACT	Census tract	Census tract number, see Figure 2, where:
		1 = 1401       2 = 1402       3 = 1408       4 = 1413       5 = 1417         6 = 1543       7 = 1754       8 = 1403       9 = 1404       10 = 1406         11 = 1405       12 = 1407       13 = 1409       14 = 1410       15 = 1415         16 = 1418       17 = 1419       18 = 1420       19 = 1421       20 = 1422         21 = 1423       22 = 1424       23 = 1425       24 = 1545       25 = 1751         26 = 1752       27 = 1656       28 = 1801       29 = 1601       30 = 1412         31 = 1410       32 = 1411       33 = 1541       34 = 1574       35 = 1573         36 = 1572       37 = 1571       38 = 1544       39 = 1542       40 = 1546         41 = 1547       42 = 1548       43 = 1549       44 = 1550       45 = 1551         46 = 1861       47 = 1806       48 = 1805       49 = 1426       50 = 1427         51 = 1428       52 = 1802       53 = 1803       54 = 1804       55 = 1841         56 = 1842       57 = 1843       58 = 1844       59 = 1845       60 = 1673         61 = 1651       62 = 1652       63 = 1653       64 = 1654       65 = 1655         66 = 1414       67 = 1657       68 = 1658       69 = 1660       70 = 1671         71 = 167

ABR	Area of built residential	Land area of census tract in built residential (millions of $\operatorname{ft}^2$ ).
ABNR	Area of built nonresidential	Land area of census tract in built nonresidential (millions of $\operatorname{ft}^2$ ).
AOB	Area of open land with buildings	Land area of census tract in open land with buildings (millions of $\operatorname{ft}^2$ ).
AO	Area of open land without buildings	Land area of census tract in open land without buildings (millions of $\operatorname{ft}^2$ ).
ALAND	Area of land coverage	Total land area of census tract (million of ft <sup>2</sup> ).
DÜ	Total dwelling units in tract	Total number of housing units in census tract.
POP	Tract population	Total population in census tract.
บา	One unit struct	Number of dwelling units in one-unit structures in census tract.
AGE	Approx. age of structure	Approximate age of the building. 1900 is the base year (year 0). To obtain age, add the value of 1900. Ages less than 1900 are coded as negative values.
EWIF	Exposed wall in footprint	Exposed walls within a given footprint (ft).
HT	Average wall height	Average building height (ft).
LOT	Lot size	Lot size associated with sampling point (ft). The square root of the lot area associated with the building was recorded.
LOT	Structure type-	
		of the lot area associated with the building was recorded.
	Structure type-	Value label assigned to structure, where:  0 = No building, 1 = 1 detached housing unit, 2 = 1 attached housing unit, 3 = 2 housing units, 4 = 3 to 4 housing units, 5 = 5 to 9 housing units, 6 = 10 to 19 housing units, 7 = 20 to 49 housing units, 8 = 50 or more housing units, 9 = nonhousekeeping (i.e., hotels, motels, dormitories, fraternity and sorority houses, nursing homes and similar facilities), 10 = office buildings, 11 = other commercial buildings, 12 = industrial buildings, 13 = hospital or institutional buildings, 14 = religious building, 15 = educational buildings, 16 = other nonresidential buildings, 17 = farm (nonresidential), 18 = other buildings, 19 = cannot identify
ТҮРЕ	Structure type- usage  Area of galvan- ized surface Area of mortar-	Value label assigned to structure, where:  0 = No building, 1 = 1 detached housing unit, 2 = 1 attached housing unit, 3 = 2 housing units, 4 = 3 to 4 housing units, 5 = 5 to 9 housing units, 6 = 10 to 19 housing units, 7 = 20 to 49 housing units, 8 = 50 or more housing units, 9 = nonhousekeeping (i.e., hotels, motels, dormitories, fraternity and sorority houses, nursing homes and similar facilities), 10 = office buildings, 11 = other commercial buildings, 12 = industrial buildings, 13 = hospital or institutional buildings, 14 = religious building, 15 = educational building, 16 = other nonresidential buildings, 17 = farm (nonresidential), 18 = other buildings, 19 = cannot identify building.  The total surface area of a building (ft²) containing galvan-
TYPE	Structure type- usage  Area of galvan- ized surface Area of mortar-	Value label assigned to structure, where:  0 = No building, 1 = 1 detached housing unit, 2 = 1 attached housing unit, 3 = 2 housing units, 4 = 3 to 4 housing units, 5 = 5 to 9 housing units, 6 = 10 to 19 housing units, 7 = 20 to 49 housing units, 8 = 50 or more housing units, 9 = nonhousekeeping (i.e., hotels, motels, dormitories, fraternity and sorority houses, nursing homes and similar facilities), 10 = office buildings, 11 = other commercial buildings, 12 = industrial buildings, 13 = hospital or institutional buildings, 14 = religious building, 15 = educational building, 16 = other nonresidential buildings, 17 = farm (nonresidential), 18 = other buildings, 19 = cannot identify building.  The total surface area of a building (ft²) containing galvanized material.

AOTHER	Area of other materials	The total surface area of a building $(ft^2)$ containing all other materials.
CHIM	Indicator: chimneys	Chimmeys observed (1) or not observed (0).
CMAT	Chimney material	Chimney material, where:
		<pre>1 = painted, 2 = brick, 3 = stone, 4 = other chimney material, 9 = cannot identify chimney material.</pre>
CAREA	Exposed chimney area	Exposed surface area of chimney above roof (ft <sup>2</sup> ).
SLOPE	Indicator: roof slope	Roof configuration: 0 = sloped, 1 = flat.
ERMAT	Roof material type	Exposed roof material, where:
	5,72	0 = tar, 1 = asphalt shingle, 2 = wood, 3 = painted metal, 4 = bare galvanized, 5 = tile, 6 = slate, 7 = copper, 8 = other roof material, 9 = cannot identify roof material.
ESAREA	Area of exposed roof	Exposed roof area of footprint (ft).
APP	Indicator: roof apparatus	Roof mounted apparatus, where:
	roor apparatus	<pre>0 = none, 1 = vents, flues, stacks, 2 = skylights, 3 = flashing.</pre>
RMAT	Roof apparatus	Material type of the roof-mounted apparatus, where:
		1 = painted, 2 = bare galvanized, 3 = bare alumimum, 4 = other roof-mounted apparatus material, 9 = cannot identify roof-mounted apparatus material.
ITEMS	Number of roof apparatus items	Number of items of roof-mounted apparatus (not applicable for flashing).
RGUT	Indicator: roof gutters	Rain gutters observed (1) or not observed (0).
RGMAT	Rain gutter material	Rain gutter material type, where:
	material	<pre>1 = bare galvanized, 2 = vinyl, 3 = painted, 4 = copper, 5 = other rain gutter material, 9 = cannot identify rain gutter material.</pre>
DSPOUT	Material of downspout	Material type of downspouts, where:
	downspout	0 = no downspout observed, 1 = bare galvanized, 2 = vinyl, 3 = painted, 4 = copper, 5 = other downspout material, 9 = cannot identify downspout material.
DSLENG	Downspout length	Length of downspout (ft).
FENCE	Fence type	Material type of fences, where:
		0 = no fences observed, 1 = bare galvanized chain link, 2 = bare galvanized wire mesh, 3 = painted fence, 4 = masonry, 5 = unpainted wood, 6 = other fence material, 9 = cannot identify fence material.

FLENG	Fence length	Length of fence (ft).
FHT	Fence height	Height of fence (ft).
ACCESS1	First access.	First outdoor accessory, where:
		<pre>l = sheds, 2 = storage tanks, 3 = handrails, 4 = poles, 5 = mailboxes, 6 = benches, 7 = signs, 8 = ornamental building features, 9 = other outdoor accessory material.</pre>
AMAT1	First access.	First outdoor accessory material type, where:
		<pre>l = painted, 2 = bare galvanized, 3 = bare aluminum, 4 = bare steel, 5 = copper, 6 = concrete, 7 = ornamental metal, 9 = other outdoor accessory material.</pre>
AAREA1	First access.	Exposed surface area of first outdoor accessory (ft2).
ACCESS2	Second access.	Second outdoor accessory, see above list.
AMAT2	Second access.	Second outdoor accessory material type, see above list.
AAREA2	Second access.	Exposed surface area of outdoor accessory (ft <sup>2</sup> ).
ACCESS3	Third access.	Third outdoor accessory, see above list.
AMAT3	Third access. material	Third outdoor accessory material type, see above list.
AAREA3	Third access.	Exposed surface area of outdoor accessory (ft <sup>2</sup> ).
ACCESS4	Fourth access. type	Fourth outdoor accessory, see above list.
AMAT4	Fourth access. material	Fourth outdoor accessory material type, see above list.
AAREA4	Fourth access.	Exposed surface area of outdoor accessory (ft <sup>2</sup> ).
.ACCESS5	Fifth access. type	Fifth outdoor accessory, see above list.
AMAT5	Fifth access. material	Fifth outdoor accessory material type, see above list.
AAREA5	Fifth access.	Exposed surface area of outdoor accessory (ft <sup>2</sup> ).

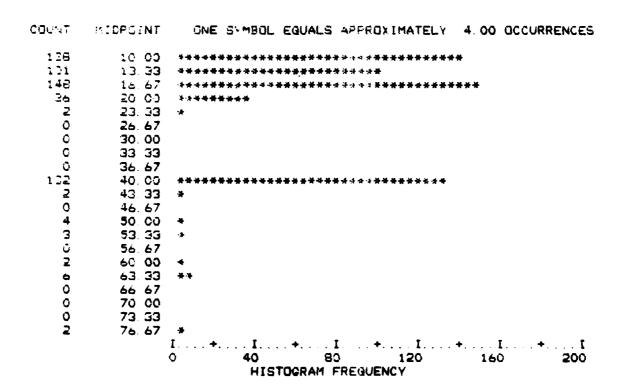
## Major classification variables

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#### J LANG USE DESIGNATION

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TRANSPORTATION	14	32	5. 6	5. 6	41.5
MIKED URBAN	16	129	22.4	22.4	63. <del>9</del>
OTHER URBAN	17	15	3.3	3. 3	67. 2
CROPLAND	21	3a	<b>6.3</b>	<b>6</b> . 3	73. 4
GRCHARD	22	2	. 3	. 3	73.8
DECIDUOUS FOREST	41	132	22. 9	22. 9	96.7
MIXED FOREST	43	2	. 3	. 3	97. O
STREAMS AND CANALS	51	4	. 7	. 7	97. 7
LAKES	52	i	. 2	. 2	97. 9
RESERVOIRS	53	2	. 3	. 3	<del>7</del> 8. 3
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HEAL	34 344	STD ERR 1 408 MEDIAN 19 000
4002	: 300	STD DEV 33 798 VARIANCE 1145 156
•UP**0518	-1 4.3	S E AUST 1 SAT SKEWNESS 537
E E Shew	112	FANGE 90 000 MINIMUM 1,000
max Disture	F: 000	SUM 19782, 000
		A F F Wall Cont
FERIENTILE	VAL 18	PERCENTILE VALUE PERCENTILE VALUE
11 21	1 110	<b>2</b> 5 00 4 000 33,30 7,000
50 00	15 000	66 70 52 718 75,00 71,000
90.00	E5 346	
.4010 0ASES	E = =	MISSING TABES 0

のなどのなる 自己ないひとし とこう 自己ないのう いっき だいがん

Census tra	ct data				
ABR	AREA: BUILT	RESIDENTIAL			
COUNT	MIDPOINT	ONE SYMBOL	EGUALS APPRO	XIMATELY 4.00	o occ
175	i	*****	*******	***********	****
110	9		***	***	
59 14	17 25	****	**********		
37	33	****			
6	41	**			
7 8	49 57	**			
18	65	****			
:3	73	***			
24 27	81 89	*****			
ڻ ت	97				
1ē	105	* **			
0	113 121				
٥	127				
0	137				
0 0	145 153				
31	161	****	_	_	
		I + I 40	+! + 80	·I+ 120 10	.I 60
		-	OGRAM FREGUE		30
MEAL	31 511	STD ERR	1. 777	MEDIAN	13
FODE	0.0	STD DEV	42. 647	VARIANCE	1818
AURTOSIS	2 268	S E KURT	1.997	SKEWNESS	1
5 e skeh Maximum	102 161,459	RANGE SUM	161.459 18150.536	MINIMUM	o
. 1-18 21 (01)	101: 437	3911	10100. 000		
FERCENTIL	E VALUE	PERCENTILE	VALUE	PERCENTILE	V
	0.0	25. 00	2. <b>5</b> 83	33. 30	5
13 33	· · · · ·	<b>23. UU</b>	<b>₹. J</b> DJ	33. <u>3</u> 0	
10 00 50,00	13 778	66. 70	25. 833	75.00	47

488 AREA: BUILT RESIDENTIAL

CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE

			CUM				COM				CUM
VALJE	FREQ	PCT	PCT	VALUE	FREG	PCT	PCT	VALUE	FREG	PCT	
<b>3</b> . 3	108	19	19	13. 78	55	10	59	31.00	4	1	69
25	20	3	22	14. 21	2	G	59	32, 29	4	1	70
1 72	9	2	24	14.64	14	2	62	35. 74	23	4	74
2, 53	19	3	27	15. 93	1	0	62	37.89	-3	1	74
3 01	4	1	28	16.36	7	1	63	40. 47	3	ī	75
4. 74	15	3	30	16. 79	1	Ō	63	47. 36	7	ī	76
5 17	13	3	34	17 65	3	ĭ	64	56. 40	ż	1	77
5 50	10	2	35	18.51	1	ō	=4	58. 13	5	i	77
<b>೬</b> . 03	4	1	30	19 38	1	ō	-4	64. 15	ě	i	79
7 32	٦	2	36	17.81	1	ō	64	64. 58	5	1	eć
ਤੋਂ 1 <i>ਚੋਂ</i>	2	J	38	20 24	1	ō	a 5	65. 8 <b>8</b>	5	i	81
5 61	20	3	41	20.67	ź	ō	65	72. 76	š	i	82
္ ၁၅	9	2	43	21. 53	2	ō	65	74.06	10	ż	84
:0 33	ì	O	43	21.96	3	1	56	79. <b>65</b>	12	ž	86
10.76	10	ž	45	24.11	1	ڻ	66	83. 10		1	87
11 19	1	ō	45	25 83	6	i	67	84. 39	4	i	88
11. ±3	7	i	46	26. 26	i	ō	67	86. 97	27	5	93
12.06		3	49	27 56	i	ŏ	57	108.50	12	2	_
12.49	1	3	49	27, 28	ž	Ö	<b>58</b>	161.46		5	95
12 40	•	ă	25	20 14	.1	·	40	101.40	31	J	100

ABNR AREA: BUILT NON-RESIDENTIAL

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
	0.0	5	. 9	. 9	. 9
	. 43	10	1.7	1.7	2. 4.
	. 86	14	2. 4	2. 4	5. Q
	1 29	20	3. 5	3. 5	8. \$
	1.72	13	2. 3	2. 3	10.8
	2 15	4	. 7	. 7	11.5
	2 5 <b>6</b>	<b>5</b> 7	. 9	. 9	12. 3
	3.01	7	1.2	i. 2	13. 5
	3. 44	5 14	. 9	. 9	14. 4
	3 88 4 31		2.4	2.4	16.8
	4.31	29 8	5. 0 1. 4	<b>5</b> . 0	21. 9 23. 3
	6 03	10	1. <del>4</del> 1. 7	1. 4 1. 7	25. 3 25. 0
	5 45	37	5. <b>4</b>	6. 4	31.4
	5 89	115	<b>20</b> . 0	20. 0	51.4
	7. 75	8	1.4	1.4	52. 8
	8 18	4	. 7	. 7	53. <b>5</b>
	3.61	17	3.3	з. з́	56. <b>8</b>
	= 04	ē	1.4	1. 4	58. 2
	7, 70	зŽ	5. 6	5. 6	63. 7
	10 33	30	5. 2	5. 2	<b>68</b> . 9
	10 75	2	. 3	. 3	69. 3
	11 17	5	. 9	. 9	70. 1
	11.63	24	4. 2	4. 2	74. 3
	12.49	13	2.3	2. 3	76.6
	12. 92	1	. 2	. 2	76. 7
	13. 35	44	7.6	7.6	84.4
	14.64	8	1.4	1.4	85. 8
	15 93	11	1. 9	1.9	87. 7
	22.39	4	. 7	. 7	88.4
	23. 25	5	. 9	. 9	89. 2
	40.47	<b>55</b> 7	95	9 5	98.8
	63 29		1.2	1.2	100. Q
	TOTAL	576	100.0	100.0	

ASNR AF	REA: BUILT	NON-RESIDENTIAL
COUNT	MIDPOINT	ONE SYMBOL EQUALS APPROXIMATELY 4 OF OCCURRENCES
ō	-1.67	
78	1. 67	****
103	5.00	***
155	8.33	<b>法法法法检查证法法法法法法法法法法法法法法法法法法法法法法法法法法法法法法法法</b>
<b>75</b>	11. 67	*************
ა3	15.00	****
0	18.33	
Ģ	21.67	**
ತ	25 00	
្	28. 33	
ğ	31.67	
<u> </u>	35.00	
0 0 0 0 55	38 33	
25	÷1. 67	***
<u>.</u>	45 00 48, 33	
0	51.67	
0 0 0 0 7	55 <b>0</b> 0	
Ŏ	58 33	
7	61 67	44
j	15 00	
•	11.01	
	<u>:</u>	40 80 120 160 200
		HISTOGRAM FREQUENCY
" EAN	11.571	STD ERR 497 MEDIAN 6.889
MODE	o 889	STD DEV 11 927 VARIANCE 142, 244
MURTESIS	4.7a <b>5</b>	S E KURT 1,997 SKEWNESS 2,241
E E SKEW	102	RANGE 63.292 MINIMUM 0.0
MARIMUM	63 <b>292</b>	SUM 667a. 638
+ERCENTILE	VALUE	PERCENTILE VALUE PERCENTILE VALUE
	*******	r main semannin i desensa — Virtha Sela. — I hatti Sela ti de la facta — Virtha Sela.
10 00	1 722	<b>25</b> , 00
50 00	a. 8 <b>89</b>	<b>66</b> , 70 10, 333 75, 00 12, 486
<b>40 00</b>	40 472	
		WIGGING COMP
VALID CASES	57 <b>6</b>	MISSING JASES 0

4CB	AREA:	OPEN	WITH	BUIL	DING	5							
VALÚE	FREQ	PCT F	CUM PCT	VAL	UĒ	FREQ	PCT	CUM PCT	VAL	.UE	FREG	PCT	CUM PCT
0 4887.15847.858.17 111224567.887.	204 18 2 5 8 9 9 1 1 7 3	35 3 0 1 1 2 4 0 0 0 2 0 1 1	39901377779901 3544444444455	16 18 19 20 20 21 22	07 79 08 38 54 67 10 82 11 67 13	84203145512851	11031001100110	633 647 668 668 677777777777777777777777777	62. 64 66. 74. 79. 87 112. 116. 124. 127. 158. 304. 436. 576.	15 74 06 22 40 38 68 43 01 44 83 58	4 5 3 1 4 7 5 3 8 5 23 12 27 12	11101111114252	75 76 76 77 78 79 80 81 88 88 93
12, 35 12, 49	59 1	10	e1 e1	37 5a.	<u>э</u> ё 8а	3	1	73 74	7 <b>17</b> .	31	31	5	100
35 NT		94494 149494 1149 1149 1169 1169 1169 11							.IMA   EL		3.00 B(	:CURi	<b>KENCE</b> S
31		707	**** *********************************	+	I. 100 HIS	+ TOGRAI	I 200 4 FR!	. +. Egu <b>e</b> n	1C.A. 300 I.	. <b>+</b> .	400	+	I 500

AOB	AREA	OPEN	WITH BUILDING	s			
MEAN MODE KURTOSIS S E SKEN MAXIMUM	0. 3.	081 0 817 102 307	STD ERR STD DEV S E KURT RANGE SUM	195.	997 307	Median Variance Skewness Minimum	8. 611 38186. 131 2. 251 0. 0
PERCENTILE	E V	ALUE	PERCENTIL	.E VA	LUE	PERCENTILE	VALUE
10,00 50,00 70,00	8	0 611 584	<b>2</b> 5 00 66, 70	0. 18.	0 <b>83</b> 0	33. 30 75. 00	0. 0 64. 153
JALID CASE	ES	576	MISSING C	ASES	o		

40 AREA: OPEN WITHOUT BLDGS

VALUE LASEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
	Ö. Ö	312	54.2	57. 2	57. 2
	. 43	35	6. 1	6. 4	63. 7
	86		. 2	. 2	63. 7
	1, 29	5	<b>ب</b>	, <del>-</del>	64 8
		2	. 3	. 4	65. 1
	1 7 <u>2</u> 2 15	1 5 2 1 3	3 2 5	2	65.3
	2, 58	3	. 5	, <b>6</b>	65. 9
	3.01	14	2. 4	2.6	68 4
	3. 44	4	. 7	. 7	69. 2
	3. 2 <b>8</b>	1	. 2	. 2	69.4
	4.31	쁑	1.4	1.5	70.8
	5. 17	5	. 9	. 9	71. 7
	6.03	1 8 5 29	5. 0	<b>5</b> . 3	77. 1
	6 8¢	3 7	. 5	. <b>6</b>	77. 6
	7 75	7	1. 2	1.3	78. 후
	8 18	1 2 3	. 2	. 2	79. 1
	8 51	1	. 2	. 2	79. 3
	9 04	.3	. 5	. 6	79.8
	9 47	3	. 5	. <b>6</b>	80.4
	10. 76	i	. 2	. 2	80.6
	12 05	12	2. 1	2. 2	82. 8
	15 07	:2 5 2	. 혖	. 😙	83. 7
	19 38	2	3	. 4	84.0
	20. 67	4	. 7	. 7	84. 8
	21.53	55	95	10. 1	94. 9
	23, 25	4	. 7	. 7	95. <b>6</b>
	24.11	ទ	1.4	1.5	97 1
	<b>25</b> . 40	1	. 2	. 2	97. 2
	37. 03	1 3 7	1.4	1.5	98. 7
	41. 76		1.2	1.3	100.0
		31	5.4	MISSING	
	TOTAL	575	100.0	100.0	

AG ARI	EA: OPEN I	NITHOUT BLDGS			
TRUES	MIDPOINT	ONE SYMBOL E	QUALS AFFROX	IMATELY 8.00	OCCURRENCES
355	1	****	*****	****	****
23	3	***			
13	5 7	**			
39 39	9	4			
1	11	-			
12	1:3	**			
5	15	*			
5 O W	17 19				
59	21	****			
4	23	*			
7	25	•			
<u> </u>	27				
<u>0</u>	29 31				
0	33				
7000080	35				
용	37	*			
· <u>G</u>	37 41	*			
•		I+. I	+. 1 +.	<b>I +</b>	I+ I
		. 60	160	246 32	o <b>400</b>
		HIST	GGRAM FREGUEN	iCY	
MEAN.	5 347	STD ERR	406	MEDIAN	O. O
MODE	5 3	STD DEV	9, 470	VARIANCE	89. 687
AURTOSIS	3 073	S E NURT	1.996	SKEWNESS	1. 923
S E SXEW	105	RANGE	41. 764	MINIMUM	0. 0
MUMIXAN	÷1 754	SUM	2914,006		
PERCENTILE	ALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
				55.55	٥. ٥
10 00		25: 00 66: 70	0.0 3.01∔	33. 30 75. 00	6. 0 <b>28</b>
50.00 90.00	0.0 21 52 <b>8</b>	99.70	3. 414	<i>7</i> <b>3</b> . <b>40</b>	<b>.</b>
70, 00	E				
VALID CASES	545	MISSING CA	SES 31		

ALAMB AREA: LAND COVERAGE

VALUE	FREG	PCT	CUM PCT	VALUE	FREG	PCT	CUM PCT	VALUE	FPEQ	PCT	CUM PCT
o. o	1	0	o	24. 54	1	Ö	45	76, 21	3	1	5.2
3 01	3	1	1	24 97	11	2	47	106. 78	4	i	60
5, 17	ž	ō	1	28. 42	3	1	48	111.08	<b>55</b>	10	69
5 57	113	20	21	30.14	1	ō	48	117. 97	3	1	70
7. 3 <b>2</b>	4	1	21	31.00	1	ō	48	119.26	ī	ŏ	70
8 18		1	. 3 . 3	35 31	7	1	49	148.97	4	ī	73
8.61	3	i	23	36 60	1		49	152.85		i	71
9. 04		1		38 32	20	3	53	155.00	3 2	ō	71
9 90	97	1	Ξa	40 70	1	Č	53	179.54	8	1	73
10.76	ΞÛ	3	<u>.</u> \$	42, 15	1	0000	53	150.40	7	1	74
11.19	10	2	T 1	42. 53	2	Ō	53	188. 58	4	1	75
11 63	5	1	32	44 75	3	1	54	189. 44		1	76
12, 49		Ō	32	47.36	1	Ċ	54	211.40	5 5	i	76
14. 64	0	i	33	47 79	1	ō	54	215. 28	8	1	78
15.07	7	1	34	51 24	1	ن		217.00	7	1	79
15. 50	15	3	3.77	52.10	3	1	5 <b>5</b>	224. 75	23	4	83
15 73	خ	1	3.8	52 90	2	Ü	55	226.19	5	1	84
15.36	1	ō	38	55 97	1	Ó	56	287. 18	3	1	84
17.22	1	Ō	38	56, 40	1	0	56	338. 42	8	1	86
17. 65	7	1	37	57 Ze	1	ು	56	471.46	12	2	88
18 08	<u>.</u>	1	4.5	58 55	4	1	57	575. 65	27	5	93
18.51	::	3	43	62 43	3	:	57	722.47	12	2	95
19.38	ਡ	1	45	70 ±1	4	ì	38	1001.04	31	5	100
21 10	1	Ō		71 47	1	3	58			_	<del>-</del>
I 97	3	ā		73 43	3	,-,	90				

ALAND	AREA: LANG	COVERAGE
COUNT	MIDPOINT	ONE SYMBOL EQUALS APPROXIMATELY 8.00 OCCURRENCES
311	21	· · · · · · · · · · · · · · · · · · ·
28	69	) ****
£3	117	* *****
28	165	<b>***</b>
53	213	****
Ü	261	
3	309	)
8	357	<b>7 ★</b>
٥	403	<b>)</b>
12	453	j 44
৩	501	
0	549	)
27	597	* ***
0	645	j
ō	653	
12	741	, **
0	769	
õ	837	•
0	665	}
٥	930	
31	<del>9</del> 81	****
		- I + I + I
		0 80 160 240 320 4 <b>00</b>
		HISTOGRAM FREQUENCY
<b></b>		
MEAN	153, 408	STD ERR 10.862 MEDIAN 38.320
MODE	5. 889	STD DEV 260.683 VARIANCE 67955.746
KURTOSIS	3. 640	S E KURT 1. 997 SKEWNESS 2. 122
S E SKEH	102	RANGE 1001.044 MINIMUM 0.0
MAXIMUM	1001 044	SUM 94123. 073
PERCENTIL	E VALUE	PERCENTILE VALUE PERCENTILE VALUE
PERCENTIL	e value	PERCENTILE VALUE PERCENTILE VALUE
10 00	6.889	<b>25</b> , 00 9, 903 <b>33</b> , 30 15, 069
50.00	38. 320	66. 70 111. 084 75. 00 189. 445
90.00	575. 654	
VALID CAS	ES 576	MISSING CASES 0

PARTICULAR PROPERTY PROPERTY SAFARA SECURIOR FOREST

## BU TOTAL DWELLING UNITS IN TRACT

Reservable serves and reservable because the serves in the serves of the

VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT	VALUE	FREG	PCT	CUM PCT
65, 00	11	2	2	1189. 00	3	1	44	1770.00	4	i	76
447 00	i	ō	Ž	1218.00	3	1	44	1776.00	3	î	76
509 00	107	19	21	1234.00	1	ô	44	1842.00	2	ō	77
594, 00	20	3	24	1236.00	7	1	46	1852.00	i	ŏ	77
606. CO	2	3	25	1237.00	1	Ö	46	1855.00	ż	3	77
517 CO	2	1	25	1309.00	į	Č	46	1887.00	ī	ŏ	77
£24.00	- <del>-</del> -	i	ī.s	1337 00	1	Ž	46	1902.00	ŝ	1	7 <b>8</b>
5/6.00	-	i	27	1343.00	÷	1	47	1721.00	6	i	79
±87 00	1	å	27	1367.00	i	Š	47	1925.00	4	i	7 <b>9</b>
೯೮ಕ. ೮೦	3	1	28	1365.00	i	Ö	18	1938.00	31	5	85
7:2 33	Ē	i		1385.00	8	1	49	1942.00	7	1	86
-: <del>-</del>	ï	i	<u> </u>	1402.00	12	į	51	1968.00	, 1	ô	86
751 33	•	ō	Ē	1404.00	3	1	52	1992.00	6	1	87
753 00	:	õ	30	1471 00	i	ė	52	2037.00	i	ō	87
949,00	23	4	34	1494.00	i	ŏ	52	2045.00	i	ŏ	88
362.00		Ö	34	1498.00	55	10	62	2188.00	11	2	<del>9</del> 0
874.00	7	ī	25	1535.00	3	1	62	2196.00	7	i	91
920 00	4	ī	35	1543.00	3	i	±3	2244.00	ė	1	92
769.00	3	ī	36	1552.00	5	1	63	2294.00	4	i	93
1034.00	3	Ö		1565.00	ą	ż	<u>6</u> 5	2435.00	4	i	94
1046.00	3	1		1577 00	20	3	- 9	2444.00	è	i	95
1057, 10	4	1	76	1611 00	- 5	1	-9	2447.00	7	ī	96
1117.00	e	5	12	1631.00	5	ī	Ξō	2583.00	5	i	97
1132.00	1	5	42	1635.00	Ş	į	72	2619.00	4	i	98
1138.00	Š	ī	÷Ξ	1658.00	6	1	73	3018.00	Ť	1	99
1184.00	<u>-</u>	õ	43	1707.00	12	2	75	3834.00	6	ī	100
	•	•	- 17	ISSIN		_				•	
VALUE	FREQ			JALUE	FREQ			VALUE	FREQ		
-99,00	1										

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EA .				
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<b>*</b> C				
R				
R.	⊒ų r	STAL DWELL	ING UNITS IN TRACT	
77°276°	COUNT	HIDPOINT	ONE SYMBOL EQUALS AS	PROXIMATELY 4.00 OCCURRENCES
3	11	170	. E. S. M.	
2000 2000 2000	3	349	~ , ,	
	130	528	<b>化水炉在水水水水水水水水水水水水水水</b>	***
	30	707	****	
3.6.	36	886	<b>法法律特殊</b>	• •
	40 	1045	<b>经济价格等价格</b>	
	18 87	1244 1425		
18	e 5	1502	*****	
	<u>51</u>	1781	****	
0200000	51	1960	***	
r:	. <u>.</u>	2137	***	
<u>.</u>	12	2318	· • • •	
	24 4	2497 2676	******** *	
	7	2855	•	
<u> </u>	7	3034	4.5	
	9	3213		
	9 9 9	2392		
*		3571		
5	c	37 <b>50</b>	**	
			i + I+ .I. 3 40 80	120 160 200
R)			HISTOGRAM FRE	
R				
달		1014 157	STD ERA 28 444	
		୫୦ <b>୦</b> ପ୍ରତ୍ର	STD DEV 695.251	
E:	POFTOSIS	476	SE NURT 1 957	
<b>[</b> -	s e sken Marimum	10 <b>2</b> 1934-550	RANGE 3749 000 SUM 761390,000	
E.	4104-11	18 34 000	90m /01070, 000	
<b>{</b> }				
<u> </u>	PERCENTILE	VALUE	PERCENTILE VALUE	FERCENTILE VALUE
Bodokowa Tanananana				
	10.00	509.00 <b>0</b>	25 00 619 000	
	50 00 70,00		<b>66</b> 70 157" <b>0</b> 00	75,00 1770 <b>000</b>
<b>:</b> :	72. DO	#1-2 %U		
	VALID CASES	57 <b>5</b>	missing dates :	
L .				

FOF	TRACT	POP	JLATI	3N									
			CUM					CUM					CUM
VALUE	FREG	PCT	PCT	VALUE	FR	EQ	PCT	PCT	VAL	UE	FREQ	PCT	PCT
273, 00	11	2		3889. 00		1	0	41	5477.		20	3	75
590, 00	3	1	2	3924. 00		1	J	42	5512.		7	1	76
1147 00	107	19	21	3929.00		3	1	42	5611.		4	1	77
1655.CQ	1	0	21	3943.00		1	0	42	5613.		5	1	78
2047, 00	1	0	21	4261.00		3	1	43	5617.		8	1	79
2054, 00	1	J	22	4263.00		55	10	52	5717.	00	1	0	79
2109 00	4	1	22	4315 00		9	2	54	5786.	00	12	2	81
2165.00	4	1	23	4345 00		8	1	55	5825.	00	5	1	82
2176. CO	8	1	<b>-4</b>	4421 00		6	1	56	6051.	00	1	0	82
2:79 00	3	1	25	4425, 00		4	1	57	6279.	00	11	2	84
2207 00	يز	J	25	4428 00		3	1	58	6289	00	2	0	85
2276.00	10 12 CH 00	0	26	4435 00		8	1	5 <b>9</b>	6316.	00	1	0	85
2306.00	2	ō	26	4481.00		1	Ō	59	6471.	00	31	5	90
2359.00	7	i	27	4627, 00		1	Ō	59	<b>6588</b> .	00	1	Ō	<del>7</del> 0
2511.00	3	1	26	4639 00		1	Ū	59	6593.	00	6	1	91
2595.00	1	o	28	4715.00		۵	1	<b>51</b>	7068.	00	3	1	92
2708.00	23	4	32	4724 00		Ó	i	52	7250.	00	4	1	93
2915.00	3	1	ŝZ	4730 00		2	O	62	7272.	00	7	1	94
3019.00	Ž	Ö	33	4785.00		3	1	62	7283.	00	4	i	94
3389.00	i	Ō		5022.00		2	ű	<b>53</b>	7428.	00	8	1	96
3122 00	ڌ	1	33	5024, 00		i	ō	e3	7987.	00	4	1	97
3238.00	4	ī	ĞĞ	5127 00		5	1	54	8339.	00	5	1	97
3301 CO	1	ō		5151 00		4	i	65	8545.	00	1	0	98
E470.00	÷	1	35	5165 00		12	2	67	8941.		7	1	99
3478.00	3	ī	36	5166 00		5	1	68	9121.	00	7	1	100
373 <b>6</b> , 03	3	ī	37	5198.00		- ī	ā	28		-			
2857.00	27	5		5218.00		2ô	3	71					
	¥-	-	11	ISSI	NG	ם		_					
VALUE	FREG			VALUE		EQ	•••		VAL	.UE	FREG		

-99,00

20P	TRACT POPUL	ATION
TAUED	HIDPOINT	ONE SYMBOL EQUALS APPROXIMATELY 4.00 OCCURRENCES
14	477	****
0	899	
107	1321	****
1	1743	
34	2165	***
27		*******
4	3009	
15	3431	4.544
36	3853	****
97	4275	<b>安全小学者教育中心工作的专用的企业工作的企业工作的企业工作的企业工作的企业工作的企业工作工作工作工作工作工作工作工作工作工作工作工作工作工作工作工作工作工作工作</b>
17	4597	1 + > + 4
51	5119	法专场债券持续的证券债务
45	5541	* * * * * * * * * * * * * * * * * * *
18		<b>分为告诉</b>
52	6385	<b>在市场中央市场中央市场</b>
o	6807	
26	7229	****
Ō	7651	
4	8073	
6	8495	
14	8917	4 <del>/ 4 / 4</del>
		I + I + I + I + I + I + I + I
		HISTOGRAM FREQUENCY
		HISTOGRAFI FREGGENCT
"EAN	4091 75 <b>5</b>	STD ERR 88. 937 MEDIAN 4263. 000
	1147 000	STD DEV 2132.642 VARIANCE 4548162.08
AURTOSIS	- 676	S E KURT 1 997 SKEWNESS 076
S E SKEN	102	RANGE 8848.000 MINIMUM 273.000
MAXIMUM		SUM 2352759: 00
PERCENTILE	VALUE	PERCENTILE VALUE PERCENTILE VALUE
10.00	1147 000	<b>25</b> , <b>00</b>
	4253 000	66. 70 5165. 192 75. 00 5512. 000
90. <b>0</b> 0	517.800	
JALID CASE	5 57 <b>5</b>	MISSING CASES 1

THE CANADA CONSIST SCHOOL SCHOOL STATES

## .1 ONE UNIT STRUCTURES IN TRACT

VALUE	FREG	0.07	CUM	معين المادا	5854		CUM				CUM
٠٣٤٥٤	7724	FC 1	PUI	VALUE	FREG	PC i	PCT	VALUE	FREG	PCT	PCT
17 00	11	2	2	502.00	2	٥	45	940. 00	4	1	71
:9 00	107	19	21	528.00	7	1	46	1008.00	1	ō	71
30 00	2	ō	21	549.00	3	1	47	1069.00	27	5	76
6 <b>2</b> . 00	20	4	25	562.00	2	ô	47	1104.00	4	1	76
63.00	4	1	25	587.00	i	ŏ	47	1122 00	3	1	
110.00		ī	25	593.00	ŝ	ı	48	1142.00	8	1	77
137 63	: 5	Ž	<u> </u>	604 30	<u> </u>	1	79	1164.00	1	_	78
139.00	9	Ž	35	613 00	55	10	58	1172.00	2	0 J	78 79
150.00	3	i	30	625 00	1	Ĝ	58	1232.00	4	1	BÜ
179 00	3	i	31	630.00	7	i	60	1308.00	i	Ö	80
212.00	- 5	ī	32	667. 00	i	ō	50	1365.00		2	
221 00	2	ō	32	673.00	i	1	61	1385.00	12		82
226 00	6	i	33	675. QC	i	å	61	1386.00	5	1	82
235.00	5	ī	54	716.00	i	ŏ	62	1417.00	11	1 2	83
280.00	4	i	35	760.00	i	Õ	52 52	1497.00			85
285. 00	4	ī	35	762.00	23	4	66	1512.00	5 4	1	86
307.00	•	ī	_ 5	781.00	8	1	67	1615.00	7	1	87
312 00	-	i	38	818 00	5	ċ	68	1624.00		1	88
322. 00	:	ō	36	824. 00	i	ű	68	1648.00	2	0	88
351 00	2.0	4	41	841.00	•	Ö	58		12	2	90
342 63	ê	i	43	98a. 00	1	Ü	5 <b>6</b>	1707.00	3	1	91
375.00	1	Ĵ	+3	904 00	3	1	69 69	1869.00	1	0	91
473. 00	i	ŏ	÷3	912 00	1	_	67 67	1874.00	31	5	96
488.00	3	i	44	932.00	3	1		2140.00	8	1	98
501.00	<b>~</b>	i	45	935. CO	3	ò	70 70	2146.00	5	1	99
		•	- <del></del> -:4	735.00 I \$ S I N	a b	•	70	2387.00	7	1	100
VALUE	FREQ		: "	VALUE		AT	<del>;*</del>	11A1 117	cocc		
				VALUE	FREQ			VALUE	FREG		
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## ONE UNIT STRUCTURES IN TRACT

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	right weight in grown in wi	: Gray Comment of the reported to	and an area services and areas	ernet ser serset enset, enser	
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	CHE SMIT GT	RUCTURES IN TR	PACT		
01 000001				XIMATELY 4.00	OCCURRENCES
		**********		****	
150 44 21		****			
<u>                                     </u>	2 298	****			
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<u>7</u>		*****	***		
3:	750	****			
<b>1</b> 5					
	> 576 2 10 <b>69</b>	**			
	7 1202	* *			
11 (1) (1) (1) (1) (1) (1)	1315	***		•	-
	9 1428 9 1541	***			
<b>[</b> }		****			
	0 1767				
2 3 1	2 1880 0 1993	***			
E i	3 2104	***			
	0 2219				
	7 2332	. * * I + I.	. +I +	· I +	I + I
		₫ 40	<b>80</b> '	120 16	0 200
		HIS	TOGRAM FREGUE	ENCY	
9 5 Au	669 3 <b>29</b>	STD ERR	26 580	MEDIAN	613, 000
MARY PEC	15 000	STD DEV	635. 154	VARIANCE 40	3421.081
RIBOTAUA NURTOSIS		S E KURT	1,997	SKEWNESS MINIMUM	. 800 17. 000
S E SKEW	10 <b>2</b> 2387-00 <b>0</b>	RANGE SUM	2370, 000 393607, 000	MINITION	17.000
T. T.	235/ 000	2011			
SENDER OCCUPANTALISM CONTRACTOR OCCUPANTALISM COCCUPANTALISM COCCU	LE VALUE	PERCENTIL	E VALUE	PERCENTILE	VALUE
5 10.00	19 000	25 00	<b>63</b> . 000	33, 30	235. 000
10.00 50.00	£13.000	66 70	761.000	75, 00	1069. 000
FC 00	1548, 000				
다. 항 VALID CA	SES 571	MISSING G	ASES 5		
VALID C	,2E2 3/1	(1199.110			
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# General building descriptions

AGE	APPROX	AG	E OF	STRUCTURE							
VALUE	FREG	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT
-99	3	1	1	15	4	1	15	55	8	3	55
-94	1	0	1	16	2	1	16	59	2	1	56
-92	1	0	2	20	9	3	19	60	19	<del>,</del>	
-90	1	0	2	24	12	4	23	64		•	62
-66	4	1	4	25	-6	2	25		10	4	66
-40	1	ō	4	26		ō		65	4	1	67
-34	•	ŏ	4	28	4		26	66	1	0	68
-55	1	ŏ	5		1	0	26	67	1	0	68
-19	•	ŏ		30	4	î	27	68	1	0	68
	1	_	5	34	6	2	29	69	2	1	69
-18	1	0	5	35	4	1	31	70	29	10	79
-16	1	0	6	38	1	0	31	72	8	3	82
-10	6	2	8	40	9	3	34	74	13	5	87
0	3	1	9	44	2	1	35	75	12	4	91
1	1	0	9	45	3	1	36	76	1	Ö	91
4	2	1	10	47	1	0	36	78	5	2	93
5	2	1	11	49	1	ō	37	79	6	2	
6	1	0	11	50	39	14	51	80	11	4	95
9	1	0	11	52	1	ō	51			7	99
10	4	1	13	53	1	ŏ	51	81 84	2	0	100

AGE	APPROX AGE	OF STRUCTURE			
COUNT	MIDPOINT	ONE SYMBOL E	QUALS APPRO	XIMATELY 1.50	OCCURRENCES
4	-98	***			
2	-89	*			
Ō	-80				
0	-71				
4	-62	***			
. 0	-53				
1	-44	*			
1	-35	*			
1	-26	*			
3	-17	**			
8	-8	***			
9	1 10	*****			
15	19	*****			
24	28	******	***		
20	37	********	•		
46	46	********	******	****	
15	55	*****			
36	64	********	*****		
65	73	******	******	******	****
25	82	******	***		
		I + I			
		0 15	30		50 75
		HISTO	GRAM FREGUE	NCY	
MEAN	44, 572	STD ERR	2. 090	MEDIAN	50. 000
MODE	50. 000	STD DEV	35, 287	VARIANCE	1245. 154
KURTOSIS	4. 516	S E KURT	1. 993	SKEWNESS	<b>-1</b> . <b>9</b> 17
S E SKEW	. 144	RANGE	183. 000	MINIMUM	<del>-99</del> . 000
MAXIMUM	84. 000	SUM 1	2703. 000		
PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10.00	4. 600	25. 00	25. 000	33. 30	40. 000
50. 00	50. 000	66. 70	65. 000	75. 00	70.000
90.00	75. 000				
== =			-		
VALID CASE	S 285	MISSING CAS	SES · O		

EWIF	EXPOSE	ED W	ALL I	N FOOTPRIN	r						
VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT
20	2	1	1	157	1	0	39	288	6	2	80
29	1	0	1	160	10	4	43	290	2	1	81
30	1	0	1	162	2	1	44	300	1	0	81
32	1	0	2	167	1	0	44	310	2	1	82
40	2	1	2	168	1	0	44	318	1	0	82
45	1	0	3	170	10	4	48	330	1	0	83
46	1	0	3	171	1	0	48	334	1	0	83
50 50	5	1	4	172	1	0	48	340	5	2	85
58	5	1	5 5	174	1	0	49	348	2	1	86
60 65	1	1	5 6	179 180	1	0	49 51	350 352	2	1	86
70	6	2	8	185	1	0	57.	360 325	1 2	0	87 87
70 72	1	Õ	8	189	1	0	52 52	366	1	0	88
74	1	ŏ	8	190	7	5	5 <b>4</b>	370	1	Ö	88
75	î	ŏ	9	192	í	ō	55	376	i	ŏ	88
76	i	ŏ	9	194	î	ő	55	378	i	ŏ	89
80	ŝ	1	1Ó	195	i	ŏ	55	384	i	ŏ	89
85	2	ī	11	200	13	5	60	400	ż	1	90
86	1	ō	11	202	1	ō	60	40B	ī	ō	90
90	9	3	14	206	1	ō	61	428	1	ō	91
93	1	0	15	209	1	0	61	431	1	0	91
<b>9</b> 5	1	0	15	210	8	3	64	432	1	0	91
100	7	2	18	213	2	1	65	438	1	0	92
104	1	0	18	218	1	0	65	440	2	1	92
105	1	0	18	220	1	0	65	452	1	0	93
106	1	0	19	225	1	0	66	460	3	1	94
108	1	0	19	228	1	0	66	506	1	0	94
110	5	2	21	230	3	1	67	519	1	0	94
112	1	0	21	232	1	0	67	550	1	0	95
120	10	4	25	235	1	0	68	<b>551</b>	1	0	95
122 130	1	0	25	240	7	2	70	556 574	3	1	96
134	11	Ö	29 29	244 250	1 4	0	71 72	574 575	1	0	96 97
136	1	Ö	27 29	250 254	2	1	73	576	1 2	0	97 98
139	3	1	31	255 255	1	ò	73	620	1	Ó	70 98
140	15	5	36	259	1	Ö	73	640	1	Ö	78 98
144	1	ő	36	260	5	2	7 <b>5</b>	650	1	Ö	99
145	i	ŏ	36	264	1	ō	75	700	1	ŏ	99
146	ī	õ	37	266	i	ŏ	76	840	i	ŏ	99
150	3	1	38	269	ī	ŏ	76	951	ī	ŏ	100
154	1	ō	38	270	2	1	77	999	ī	ō	100
156	2	1	39	280	4	1	78		-	-	<del>-</del>

EWIF E	XPOSED WAL	L IN FOOTPRINT
COUNT	MIDPOINT	ONE SYMBOL EQUALS APPROXIMATELY 1.20 OCCURRENCES
15	40	***
44	87	******
53	134	*********
60	181	*********
33	228	****
26	275	****
11	355	***
12	369	****
7	416	****
. 6	463	****
2	510	<b>★</b>
9	557	****
1	604	*
2	651	<b>♣</b> ¥ 
1	698	*
0	745	
1	792 839	*
Ó	886	· ·
1	933	*
1	733 980	*
•	700	I + I + I
		0 12 24 36 48 60
		HISTOGRAM FREQUENCY
MEAN	218. 379	STD ERR 8.820 MEDIAN 180.000
MODE	140.000	STD DEV 148.907 VARIANCE 22173.173
KURTOSIS	5. 497	S E KURT 1. 993 SKEWNESS 1. 973
S E SKEW	. 144	RANGE 979.000 MINIMUM 20.000
MAXIMUM	999. 000	SUM 62238.000
PERCENTILE	VALUE	PERCENTILE VALUE PERCENTILE VALUE
10.00	80. 000	25. 00 126. 000 33. 30 140. 000
50. 00	180.000	66. 70 230. 000 75. 00 262. 000
90.00	416, 000	00.70 £30.000 /J.00 £0£.000
70.00	716.000	
VALID CASES	285	MISSING CASES 0

# HT AVERAGE WALL HEIGHT

VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	РСТ	CUM PCT
3	1	0	0	29	3	1	53	58	5	2	88
7	1	ō	ī	30	21	7	60	59	1	Õ	89
8	6	2	3	35	5	2	62	60	2		_
ş	4	1	4	33	2	1	63		7	1	89
10	10	4	8	34	1	Ó	63	65 47		2	92
12	14	5	13	3 <del>7</del> 35	9	3		67	2	1	93
13	2	1	13	36	2		66	68 70	1	0	93
14	9	3	16			1	67	70	2	1	94
15	19	7		37	5	1	68	80	1	0	94
			23	38	2	1	68	85	1	0	94
16	2	1	24	40	15	5	74	95	1	0	95
17	2	1	25	41	2	1	74	98	1	0	95
18	9	3	28	42	2	1	75	100	1	0	95
19	2	1	28	43	4	1	76	111	1	0	96
50	25	9	37	45	11	4	80	116	1	Ö	96
21	1	0	38	47	2	1	81	120	2	1	97
22	6	2	40	48	1	٥	81	135	1	ō	97
23	1	0	40	50	8	3	84	153	1	ō	<del>98</del>
24	3	1	41	53	1	õ	85	158	2	1	98
25	19	7	48	54	1	õ	85	160	2	1	99
26	2	1	48	55	Ž	ĭ	86	190	2	i	100
27	3	1	49	56	1	ō	86	300	1	ō	100
28	7	Ž	52	57	â	1	87	300	•	V	100

HT A	VERAGE WAL	L HEIGHT	
COUNT	MIDPOINT	ONE SYMBOL EQUALS APPROXIMATE	LY 4.00 OCCURRENCES
12	2	***	
105	17	*****	
78	32	****	
47	47	****	
23	62	****	
3	77	*	
3	92	*	
2	107	*	
2 3 1	122	*	
1	137		
3 2	152	*	
2	167	*	
0	182		
2	197	*	
Q	212		
0	227 242		
0	257		
0	272		
0	287		
1	302		
•		I + I + I + I.	.,,+,,, I,,,,+,,, I
		0 40 80 120	160 200
		HISTOGRAM FREQUENCY	
MEAN	36. 098	STD ERR 1.989 MEI	)IAN 28. 000
MODE	20. 000	STD DEV 33.572 VAF	RIANCE 1127.096
KURTOSIS	18.012	SEKURT 1.993 SKE	EWNESS 3. 559
S E SKEW	. 144	RANGE 297.000 MIN	11MUM 3.000
MAXIMUM	300.000	SUM 10288, 000	
PERCENTILE	VALUE	PERCENTILE VALUE PER	RCENTILE VALUE
10.00	12.000		33, 30 20, 000
50.00	28.000	66. 70 36. 000	75. 00 <b>42</b> . 500
90. <b>00</b>	<b>65</b> . 000		
VALID CASES	285	MISSING CASES 0	

LOT LOT SIZE

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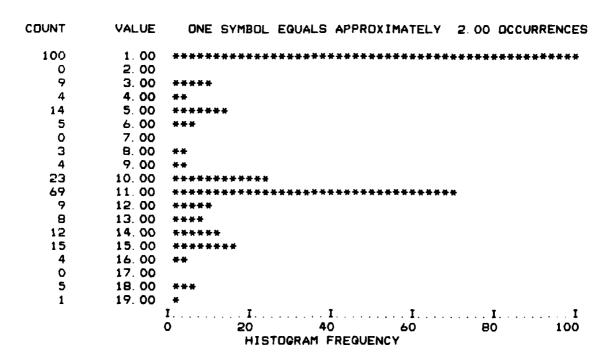
VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT
38	5	1	1	134	2	1	44	262	1	0	74
49	1	0	1	135	1	0	44	270	2	1	75
50	3	1	2	137	1	0	45	274	2	1	76
51	1	0	2	138	1	0	45	277	1	0	76
<b>55</b>	6	2	5	139	1	0	45	280	1	0	76
57 59	1	0	5	140	2	1	46	290	1	0	77
60	1 8	3	5	141	1	0	46	300	2	1	78
61	1	0	8	146	1	0	47	310	1	0	78
63	1	ö	9	150 153	11	4	51	313	2	1	79
65	5	1	9	155	1	0	51	316	4	1	80
66	1	ō	10	157	1	0	51 52	320	1	0	80
68	i	ŏ	10	158	1	0	52	325 331	1	Ö	81
70	5	2	12	159	í	ő	52	331 344	1 2	0	81
71	ĩ	ō	12	160	ź	2	55	346	1	1	82 82
75	9	3	15	161	ž	1	55	348	î	ő	82
76	2	1	16	165	1	ō	56	350	ż	1	83
80	4	1	18	170	2	1	56	351	1	ō	84
81	1	0	18	171	2	1	57	354	2	1	84
84	1	0	18	173	2	1	58	366	2	ī	85
85	5	2	20	175	1	0	58	387	3	1	86
87	2	1	21	176	1	0	59	395	1	Ö	86
89	2	1	21	177	1	0	59	400	4	1	88
90	11	4	25	179	1	0	59	410	1	0	88
92	1	0	26	184	3	1	60	412	1	O	88
95 88	6	2	28	185	1	0	61	425	1	0	89
98 100	1 8	0	28	189	1	0	61	427	1	0	89
101	i	0	31 31	190	2	1	62	447	2	1	90
102	1	Ö	32	197 200	1	0	62	450	2	1	91
105	1	Ö	32	201	3	1	63	458	1	0	91
106	i	ŏ	32	505	1 1	0	64 64	487 <b>49</b> 0	1	0	91
110	10	4	36	210	6	2	66	500	1 4	0	92
115	1	ò	36	515	1	ō	66	540	4	1	93 94
117	1	ō	36	215	i	ő	67	582	ĭ	ō	95
119	1	0	37	550	2	1	67	620 602	Ġ	5	97
120	6	2	39	225	3	1	68	650	1	ō	97
121	1	0	39	227	2	1	69	740	ī	ŏ	98
122	2	1	40	230	2	1	70	800	2	1	98
125	2	1	41	231	1	0	70	850	1	ō	99
126	2	i	41	240	2	1	71	900	1	0	99
127	1	0	42	245	2	1	72	999	3	1	100
130	3	1	43	250	6	2	74				
132	1	0	43	253	1	0	74				

LOT LO	T SIZE	
COUNT	MIDPOINT	ONE SYMBOL EQUALS APPROXIMATELY 1.50 OCCURRENCES
51	59	***
68	105	*****
46	151	****
25	197	***
22	243	***
10	289	****
18	335	****
10	381	****
6	427	***
5	473	###
8	519	***
1	565	*
6	611	***
1	657	*
0	703	
1	749	*
2	795	•
1	841	<b>♦</b>
1	887	*
0 3	933 979	**
3	7/7	$\mathbf{I}_{1,\ldots,+}^{\pi\pi}$ , $\mathbf{I}_{1,\ldots,+}^{\pi\pi}$ , $\mathbf{I}_{1,\ldots,+}^{\pi\pi}$ , $\mathbf{I}_{1,\ldots,+}^{\pi\pi}$ , $\mathbf{I}_{1,\ldots,+}^{\pi\pi}$ , $\mathbf{I}_{1,\ldots,+}^{\pi\pi}$
		0 15 30 45 60 75
		HISTOGRAM FREQUENCY
MEAN	214. 874	STD ERR 10.653 MEDIAN 150.000
MODE	90.000	STD DEV 179.852 VARIANCE 32346.639
NURTOSIS	4. 534	S E KURT 1.993 SKEWNESS 1.994
S E SKEW	. 144	RANGE 961.000 MINIMUM 38.00
ISAX I MUM	999.000	SUM 61239.000
PERCENTILE	VALUE	PERCENTILE VALUE PERCENTILE VALUE
		25 00 90,000 33,30 110,000
10.00	67. 200	
50. <b>00</b>	150.000	66. 70 21B. 810 75. 00 272. 000
90. <b>0</b> 0	450. 000	
VALID CASES	285	MISSING CASES 0

TYPE STRUCTURE TYPE-USAGE

APPEAR RECOCCE BANDONI BONANDON INDONESSE NACESES

VALUE LABEL	VALUE	FREGUENCY	PERCENT	VALID PERCENT	CUM PERCENT
1 UNIT DETACHED	1	100	35. 1	35. 1	35. 1
2 UNITS	3	9	3. 2	3. 2	38. 2
3 TO 4 UNITS	4	4	1.4	1.4	39. 6
5 TO 9 UNITS	5	14	4. 9	4. 9	44.6
10 TO 19 UNITS	6	5	1.8	1.8	46. 3
50 OR MORE UNITS	8	3	1. 1	1. 1	47. 4
NONHOUSEKEEPING	9	4	1.4	1.4	48. 8
OFFICE BUILDING	10	23	8. 1	8. 1	56. 8
OTHER COMMERCIAL	11	69	24. 2	24. 2	81.1
INDUSTRIAL	12	9	3. 2	3. 2	84. 2
HOSP OR INST	13	8	2. 8	2. 8	87. 0
RELIGIOUS	14	12	4. 2	4. 2	91. 2
EDUCATIONAL	15	15	5. 3	5. 3	96. 5
OTHER NONRESIDENT	16	4	1.4	1.4	97. <del>9</del>
FARM	18	5	1.8	1.8	99. 6
CANNOT ID	19	1	. 4	. 4	100.0
	TOTAL	285	100.0	100.0	



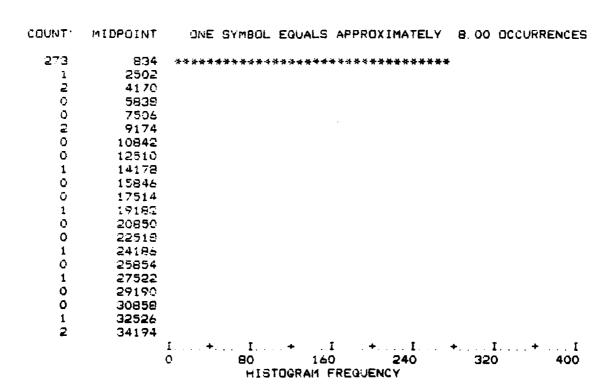
TYPE	STRUCTURE	TYPE-USAGE			
MEAN MODE KURTOSIS S E SKEW MAXIMUM	7. 263 1. 000 -1. 456 . 144 19. 000	STD ERR STD DEV S E KURT RANGE SUM	. 320 5. 401 1. 993 18. 000 2070. 000	MEDIAN VARIANCE SKEWNESS MINIMUM	10.000 29.173 .047 1.000
PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10. 00 50. 00 90. 00	1.000 10.000 14.000	25. 00 66. 70	1.000 11.000	33. 30 75. 00	1. 000 11. 000
UAL IN CASE	s 285	MISSING CA	SES 0		

## Spatial areas of building materials

AGALV AREA: GALVANIZED SURFACE

CANADA TOURS INTEREST INCOME INCOME.

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
	0. 0	269	94. 4	94. 4	<b>94</b> . 4
	78. 40	1	. 4	. 4	94.7
	210.00	1	. 4	. 4	95.1
	902. 40	1	. 4	. 4	95.4
	1469 60	1	. 4	. 4	95. 8
	2556.00	1	. 4	. 4	96. 1
	4190.40	1	. 4	. 4	96.5
	4598. 88	1	. 4	. 4	96 8
	8757 00	1	. 4	. 4	97. 2
	9232, 08	1	. 4	4	97.5
	13920.00	í	. 4	. 4	97. 9
	19493.76	1	. 4	. 4	98.2
	24992.00	1	. 4	. 4	<b>78</b> . 6
	27153.00	i	. 4	. 4	78 7
	32697.00	i	. 4	. 4	99. 3
	3 <b>50</b> 28.00	2	. 7	. 7	100. 0
	TOTAL	285	100.0	100.0	



AGALV	AREA:	GALVANI ZE	D SURFACE				
MEAN MODE AURTOSIS S E SKEW MAXIMUM		0 857 144	STD ERR STD DEV S E KURT RANGE SUM	260. 4400. 1. 35028. 220306.	128 993 000	MEDIAN VARIANCE 1936 SKEWNESS MINIMUM	0. 0 1122. 3 6. 469 0. 0
PERCENTILE	E VA	ALUE	PERCENTIL	LE VA	LUE	PERCENTILE	VALUE
10,60 50,60 90,00	Ō.	0 0 0	25, 00 66, 70	o o.		33. 30 75. 00	0. 0 0. 0
VALID CASE	ES	285	MISSING (	CASES	ō.		

AMORT AREA: MORTAR / MASONRY SURFACE

VALUE	FREG	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT
0.0	133	47	47	862, 00	1	0	64	3510.00	1	0	80
48, 80	1	Ö	47	875.00	1	ō	64	3519 00	1	ō	81
77. 60	1	Q	47	891.00	1	0	64	3585. 60	1	0	81
25. 60	1	O	48	957. 60	1	0	65	3609.00	1	0	81
99. CO	1	o	48	965 20	1	0	65	3711.76	1	0	82
109 20	1	0	48	1038.00	1	0	65	3788.40	1	o	<b>8</b> 2
116.00	1	O	49	1048. 32	1	0	66	3808.80	1	0	82
:20. <b>0</b> 0	1	- 0	70	1112.00	Ę	1	<b>66</b>	4098. 40	1	0	83
130,00	1	O	44	1125.00	1	0	67	4103.50	1	0	83
144.00	1	0	50	1155.00	1	0	<b>67</b>	4147. 20	1	0	84
160.00	1	Ü	50	1176 00	1	O.	67	4186.00	1	0	84
161.00	1	0	51	1204, 80	1	Ü	68	4193.00	1	0	84
220.00	1	0	51	1220.00	1	Ō	68	4219.20	1	0	85
220.00	1	õ	51	1344.00	1	Ŏ.	68	4297.80	1	Ō	85
235 00	1	•	52	1365.00	1	0	69	4876. 40	i	Ō	85
240, 00 255, 00	1		52	1377, 00	1	O O	69 69	4930. 31 4939. 22	1 1	0	86 86
250.00 260.00	1	Ö	52 53	1433, 60	1	O O	70	5040. 00	1	Õ	
272.00	1	Ü	53	1638,00 1783,08	1	Ů	70	5040.00	1	Ö	86 87
27 <b>2</b> . 00 27 <b>8</b> . 00	1	3	53	1880 00	i	Ü	71	5290.00	1	ŏ	87
280 00	1	ij	54	1945. 80	1	Õ	7i	<b>58</b> 30. <b>0</b> 0	1	ŏ	87
280 00	1	ó	54	1950 00	1	Ů	71	5955.00	i	ŏ	88
281 60	1	ő	54	1986.90	i	Õ	72	6240.00	ī	ŏ	88
268.00	1	ő	5.5	2002, 29	1	Ü	72	6344.40	ī	ö	88
292, 00	ī	Ö	55	2073, 60	į	ō	72	6420.00	1	ō	89
300, 00	i	0	55	2142,00	1	Ō	73	6528.00	1	ō	60
300. <b>Q</b> Q	1	Ü	55	2172, 00	i	Ò	73	6542.40	1	0	89
312.00	1	0	55	2175 60	1	0	73	6566 40	1	0	90
320,00	1	·J	විත	2240, 00	1	O.	74	6789.12	1	0	90
323. a4	1	•	57	2267 BO	1	Õ	74	6804.49	i	0	91
340,00	2	1	58	2268, 00	1	٥	74	6878.00	1	0	91
360, 00	1	Ō	53	2612, 40	1	0	75	7260.00	1	O	91
360.36	1	O	58	2670. 64	1	Ü	75	7264, 40	i	0	92
399 50	1	J	50	2721. 70	1	Ū	75	7280. 34	1	Ò	92
420 00	2	1	50	2782. 50	1	0	76	7322, 22	1	0	92
426 00	1	•	±0	2808.00	1	O.	76	7364 16	1	Ō	93
471 00 500 00	i	Q	80	2850.00	1	0	76	7502.60	1	õ	93
530.00	1		ಕರಿ	2856.00	1	0	77	7525.00	1	0	93
560.00 505.00	1	0	<b>5</b> l	2975 00	1	Ŏ	77	7848.00	1	0	94
595 20 624.37	1	0	51	3052.50	1	0	78 78	8488 20	1	0	94 94
624.3/ 636.00	1	) )	51 47	3100,00 3112,00	1 2	0 1	7 <b>9</b>	8754. 48 9328. 00	1 1	O O	94 95
646.00	1		52 52	3235.92	1	Ö	79	9328.00 9331.20	1	0	73 95
666.40	1	0	6.2 6.2	3402.00	1	0		10127.00	1	Ö	73 95
702.00	1	0	63	3465.00	i	Ü		10432.52	i	ŏ	96
732.00	i	Š	63	3496.00	i	ō		10756.80	i	ŏ	96

AMORT	AREA: MORT	'AR / MASONRY	SURFACE		
VALUE	FREG PCT	CUM PCT VALUE	FREG PCT	CUM PCT VALUE	CUM FREG PCT PCT
10764.00 10893.60 15531.86	1 0 1 0 1 0	96 18576.00 97 18720.00 97 19707.20	1 0 1 0 1 0	98 26853.12 98 28008.50 99 35056.00	1 0 99 1 0 100 1 0 100
17173. 40	1 0	98 21196.80	1 0	99	•
COUNT	MIDPOINT	ONE SYMBO	OL EQUALS AF	PROXIMATELY	4.00 OCCURRENCES
199	828	******	**	******	****
26	2498	***			
20	4168	4***			
11	5838				
11	7509				
4	9178				
5	10848	*			
O	12518				
0	14189	<b>!</b>			
1	15858				
ī	17529				
3					
	19198				
1	20848				
0	22538				
0	24209				
O	25878	}			
ź	27546				
ō	29218				
0	30888				
Ō	32553				
1	34228				
		Ι <b></b>	<b>+ I</b>	<b>+1</b> +	· I + I
		0 40	80	120	160 200
		H	STOGRAM FRE	EQUENCY	
		• • •		** *	
MEAN	2166, 280	STD ERR	268, 894	MEDIAN	160. 000
MODE	0.0	STD DEV	4539. 447		E 20606578.0
AURTOSIS	18.072	S E KURT			
S E SXEW	. 144	RANGE	35056, 000		0.0
MUMINAN	35056, 000	SUM	617389.710	)	
PERCENTIL	E VALUE	PERCENT:	ILE VALUE	E PERCENT	ILE VALUE
10.00	0 0	25. 00	0. 0	33, 30	0.0
50.00	160,000	66.70			
90.00	6795.264			- , , , ,	
70.00	U//U. EUT				
11AL TO 040	en nos	MISSING	CASES	0	
VALID CAS	ES 285	14 199 1 MG	CHOES	•	

<b>APAINT</b>	AREA:	PAIN	ITED	SURFACE							
( . <b></b>	=====	0.0 <b>.T</b>	CUM	1141.17	5550	007	CUM	LAAL I Jew	Enco	OCT	CUM
VALUE	FREG	PCT	PGI	VALUE	FREQ	PCI	PCT	VALUE	FREG	PCI	P', 1
0.0	84	29	29	735, 00	1	0	47	1854.00	1	Ō O	<b>6</b> 3
8.00	1	0	30	742. 40	1	Ö	47	1872.00	1	0	64
17. 40	1	0	30	763, 20	1	0	47 48	1880.00	1	Ō	64 64
42, 00 54, 00	1	9	31 31	792, 00 828, 00	1 1	0	48	1932. 00 2040. 00	1	0	65
54 40	_	9				_	48		1	Ö	
55. 38	1	•	31 32	873.60 880.32	1 1	0	49	2108.00 2136.00	1	Ö	65 65
78 00	1	Ö	32 32	892 40	1	Ö	49	2142 00	1	ŏ	66
81.00	<b>.</b>	1	33	904. BC	i	Ü	49	2208 00	1	ŏ	66
105 30	1	ò	33	921.60	i	0	50	2254.56	1	ŏ	66
105 Jo	î	Ö	33	928.00	i	Ö	50	2325. 60	1	ŏ	67
112.00	ī	õ	34	952 20	1	ō	51	2340.80	i	ō	57 57
119 00	i	Ö	34	972, 00	ī	ŏ	51	2343.60	i	Ö	67
:39 32	1	Š	34	990 00	i	ō	51	2368.80	ī	ō	66
144, 50	1	• 5	35	1012.50	i	ŭ	52	2380. 56	ī	ō	68
207,00	1	Ö	35	1020.00	1	ō	52	2457.00	ī	ō	66
214 00	1	0	35	1020, 60	1	Ō	52	2462.40	1	o	65
230, 40	1	Ō	36	1029.60	1	٥	53	2565. 64	i	Ō	69
252 00	i	·O	36	1045, 00	i	C	5.3	2686. 40	1	Ō	جرح
257 20	i	O	Sa	1072, 50	1	Ü	53	2692.80	1	Ö	70
ଅଧ୍ୟ ଅଧ୍ୟ	1	Ċ	37	1076, 40	1	Ō	54	2704.00	i	0	70
272 00	1	う	37	1092,00	1	٥	54	2723. 40	1	0	71
278, 40	3	0	38	1109, 76	1	Ō	54	2755, 00	1	ũ	71
313 00	1	·	58	11 <b>50</b> , 00	i	Ō	55	2818. 80	1	o	71
342 00	1	•	38	1243, 55	1	Ç	55	2836, 80	1	0	72
350.00	1	Q.	35	1302,00	1	Ō	55	2845, 80	1	0	72
435, 20	1	ુ	37	1326, 00	1	Õ	56	2873.00	1	Ō	72
436 60	1	0	30	1355, 20	1	Ō	56	2888.00	1	0	73
444 00	1	Ö	40	1362, 60	1	0	56	2896.00	1	0	73
451.00	1	0	40	1380.40	1	0	57	2898.00	1	0	73
455, 00 455, 50	1	0	40	1435, 20 1443, 00	1	Õ	57	2879, 00 2901, 60	1	0	74 74
455, 00 468, 00	i 2	1	41 41	1450.80	1 1	0	58 58	3008.46	1	Ö	74
485.00	ຂົ	1	15	1454, 40	1	Ü	58	3100.80	1	ŏ	75
499, 20	1	ō	÷2	1473. 20	i	٥	59	3239.60	1	ŏ	75
570 00	1	Š	43	1483.20	1	Ö	50	3300.10	i	ŏ	75
500.00	i	č	43	1530.00	1	Ō	59	3318.00	i	ŏ	76
502.00	i	Ö	44	1550, 00	1	ò	60	3421.60	i	ō	76
604, 20	1		4.4	1554 80	<u> </u>		60		1	_	76
60B.00	1	ő	44	1644.00	í	ő	60	3440.00	i	ō	77
626. 50	1	Ö	45	1644 00	ī	ō	61	3458.00	i	ō	77
650 <b>0</b> 0	1	ō	45	1710.80	i	ō	61	3459 20	ī	õ	78
650, 00	1	ō	45	1755. 60	1	ō	<b>51</b>	3496.00	1	Ō	78
665, 00	1	Ō	46	1824.00	2	1	62	3498.00	1	0	78
70B. CO	1	Ó	40	1830, 00	1	٥	62	3508.80	1	٥	79
713.00	1	•	46	1850, 00	1	0	63	3515. 40	1	Ö	79

APAINT	AREA.	PAINTE	Œ	SURFACE								
		C	JM				CUM					CUM
VALUE	FREG	PCT PC	T	VALUE	FREG	PCT	PCT	VAL	JE	FREG	PCT	PCT
3605, 96	1	0 7	79	5273. 40	i	٥	86	7452. (	00	1	0	93
3622, 50	1	0 8	30	5315.70	1	Ō	87	7526.	10	1	0	94
3643, 20	1	0 8	30	5327, 60	1	٥	87	770B. 8	30	1	Õ	94
3726, 00	1	0 8	30	5605, 60	1	0	87	7761.6	50	1	0	94
3803, 80	1	0 8	31	5720.00	1	0	88	7788. (	00	1	0	95
3933 00	1	0 8	31	5776. 00	1.	O.	88	7845.	50	1	0	95
3980 00	1	0 6	31	5896, 90	1	Ō	88	8364. (	00	1	0	95
4032, 00	1		32	6061, 44	t	O	89	8645. (	00	1	0	96
4107,83	1	0.8	32	6120, 00	1	0	89	6891.	52	1	0	76
4154 80	1	0 8	32	6249. 60	i	0	89	9091.	50	1	0	96
4165.00	1	0 6	33	6300.00	1	0	90	9405. (	00	1	0	97
4211.20	1	9 6	33	6422.00	1	0	90	10621.	00	i	0	97
4417.50	1	7	34	6451.20	1	0	91	10863. (	00	1	0	98
4480, 00	1	0 8	34	6626, 25	1	0	91	13094.	40	1	0	98
4576, 00	i	2	34	6740.00	i	٥	71	14968.1	30	1	0	98
4737, 60	1	0 6	35	7017. 60	1	0	92	18432. (	00	1	0	99
4968 00	1	0 8	35	7109 40	i	0	92	19780. (	00	1	0	99
5151.20	1	0	35	7199.07	1	0	92	21128.	00	1	O	99
5201.68	i		36	7208.00	1	0	93	25656.	40	1	Ö	100
5256, 00	1	0 1	36	7341.60	1	0	73	47032.	72	1	0	100

APAINT	AREA. PAIN	TED SURFACE
COUNT	MIDPOINT	ONE SYMBOL EQUALS APPROXIMATELY 4,00 OCCURRENCES
188 50 21	1116 3356 55 <b>96</b>	****
15	7836	***
4	10076	*
1	12316	
1	14556	
0	16796	
2	19036	*
1	21276	
Ō	23516	
1	257 <b>5</b> 6	
O	27994	
0	30234	
Ō	32476	
Ō	34716	
0	36956	
0	39196	
Ō	41436	
0	43676	
1	45916	
		I - +. I+
		HISTOGRAM FREQUENCY
		(113) DAKELL (KEBSCHOT)
MEAN MODE	2401, 527 0-0	STD ERR 258.199 MEDIAN 928.000 STD DEV 4338,899 VARIANCE 18999999.4
~URTOSIS	42, 909	S E KURT 1.993 SKEWNESS 5.301
S E SKEW	144	PANGE 47032.920 MINIMUM 0.0
MAXIMUM	47032 920	SUM 684435. 250
PERCENTIL	E VALUE	PERCENTILE VALUE PERCENTILE VALUE
10 00	ગ ડ	<b>25</b> . 00 0. 0 33. 30 108. 007
50 00	928,000	66. 70 2337. 162 75. 00 3269. 850
90.00	6433, 680	
VALID CASE	285	MISSING CASES 0

ASTONE AREA: STONE SURFACE

VALUE LASEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
	0.0	266	93.3	93. 3	93. 3
	86.40	1	. 4	. 4	93.7
		•	. 4	. 4	94. G
	136.00		4	4	94.4
	280.00	1			94 7
	520.00	1	4	. 4	
	791.60	1	. 4	. 4	<b>95</b> . 1
	1036 80	1	. 4	. 4	95. 4
	1620 00	1	. 4	. 4	95 B
	2042, 88	1	. 4	. 4	96. 1
	2505 60	1	. 4	. 4	96. 5
	3304.84		. 4	. 4	96. S
			. 4	. 4	97. 2
	4984.00	1	. 4	4	97 5
	6464. 00	1			97 9
	<b>7833</b> . 60	1	. 4	. 4	
	11302. 20	1	. 4	. 4	98. 2
	13017.60	2	. 7	. 7	<b>98</b> . 9
	15527. 92	1	. 4	. 4	<b>9</b> 9. 3
	16197.60	1	. 4	. 4	99.5
	31171.72	1	. 4	, 4	100.0
	ΤΠΤΔΙ	285	100 0	100.0	

ASTONE	AREA: STON	SURFACE	
COUNT	MIDPOINT	ONE SYMBOL EQUALS APPROXIMATELY 8 00 OCCURR	ENCES
272 3 1 1 1 0 1 2 0 2 0 0 0 0	736 2221 3706 5191 6676 8161 9646 11131 12616 14101 15586 17071 18556 20041 21526	****	
0 0 0 1	24476 25981 27466 28951 30436	I + I + I + I + I + I + I + I + I + I +	. I 400
MAYIMUM R E RKEM ROBE ROBE REAL	452 598 0.0 71.952 144 31171.720	STD ERR       158.558       MEDIAN       0.0         STD DEV       2676.768       VARIANCE 7165085.3         S E KURT       1.993       SKEWNESS       7.80         RANGE       31171.720       MINIMUM       0.0         SUM       131840.560	
PERCENTILE	E VALUE	PERCENTILE VALUE PERCENTILE VALUE	E
10,00 80,00 90,00	0, 0 0, 0 0, 0	<b>25</b> 00 0.0 33.30 0.0 66.70 0.0 75.00 0.0	
VALID CASE	is <b>285</b>	MISSING CASES 0	

RAHTER	AREA:	OTHE	ER MA	TERIALS							
			CUM				CUM				CUM
VALUE	FREG	PCT		VALUE	FREG	PCT		VALUE	FREG	PCT	
***************************************		. • •									
0. 0	13	5	5	285. 60	1	0	22	548. 68	1	0	39
32.00	1	0	5	285. 60	1	0	22	554. 20	1	0	39
43. 20	1	O	5	292.00	1	0	22	554. 40	1	0	40
52. 50	1	0	6	292. 40	1	0	53	559. 00	1	0	40
78. 40	1	Ö	6	301.60	1	0	23	560.00	1	0	40
88. CO	1	0	6	302. 40	1	0	24	571. 20	1	0	41
71 20	1	•	7	308.00	1	Ō	24	574. 00	1	0	41
100.00	1	0	7	322.00	1	0	24	576. <b>80</b>	1	0	41
104.00	2	1	8	324. 30	1 2	0	25	580. 00	1	0	42
105.60 108.00	1	Ö	8	328.00		1	25 26	588. 80 605. 20	1	0	42
108.00	1	0 3	8 7	330.00 332.80	1 1	Ö	26 26	606. 02	1	Ö	42 43
110 50	1	9	9	336. 60	1	ð	26	609.60	1	ŏ	43
112.00	1	3	9	337. 50	1	ŏ	27	624. 00	i	ŏ	44
112.00	1	ō	10	345, 00	i	ŏ	27	638.40	i	ŏ	44
117.00	i	ŏ	10	348. 48	i	ŏ	27	638. 40	i	ŏ	44
133.00	i	Ö	11	369 20	i	ŏ	28	642. 20	i	ŏ	45
140.40	i	ő	11	372.40	i	ŏ	28	661.20	i	ō	45
152.00	ī	ő	11	374.40	ī	ō	28	662. 40	ī	ō	45
156.00	Ž	1	12	376 20	i	ō	29	671.60	ī	ō	46
160.00	1	ō	12	378.00	Ž	i	29	672.00	1	ō	46
163. 20	1	ā	13	378.00	1	Õ	30	676, 60	ī	ō	46
164.50	i	ō	13	380 00	1	O	30	684, 60	1	0	47
168.00	1	0	13	384. 80	1	0	31	689.00	1	0	47
171.00	1	Ó	14	389. 20	1	0	31	693. 00	1	0	47
176, 40	1	ં	14	395. 20	2	1	32	694.71	1	0	48
179, 20	1	9	14	400. 40	1	0	32	695. 52	i	0	48
182 00	1	•	15	408.00	1	0	32	699. <b>84</b>	1	0	48
192. 60	1	ာ	15	416. 24	1	0	33	700. 00	1	0	49
193. 80	1	0	15	421, 20	1	0	33	702.00	1	0	49
207. 00	1	0	16	425.00	1	0	33	721. 28	1	0	49
216.00	1	0	16	431. 20	1	0	34	722.00	1	0	50
216.63	1	0	16	437. 40	1	0	34	740. 00	1	0	50
224.00	2	1	17	456. 00	1	0	34	748. 80	1	- 0	51
224. 40	1	Ö	18	462. 00	1	0	35	760.00	1	0	51
230.00	1	0	18	468. 00	1	٥	35	774. 00	2	1	52
232. 00	1	Ō	18	498. 40	1	0	35	774. 60	1	0	52
232. 50	1	Ō	19	504.00	1	0	36	777. 60	1	0	52
237, 90	1	0	19	<b>504</b> . 00	1	0	36	788. 80 789. 75	1	0	53
243. 80 250 40	1	0	1 <i>9</i> 20	516. 80 520. 00	1	0	<b>36</b> 37	798, 75 835, 20	1	0	53 53
250. 60 252. 00	1 1	0	20	520. 00 525. 00	1 1	0	37	840. 00	5	1	54
252. 60 257. 60	1	ā	20	525.00 534.40	1	Ö	38	843. 20	1	ó	54
260. 00	1	9	21	540. BO	1	ŏ	38	858. QO	1	ŏ	5 <b>5</b>
27 <b>5</b> . 00	î	0	21	546. 00	1	ŏ	38	868. 80	i	ŏ	5 <b>5</b>
280 00	i	ő	21	547.20	î	ŏ	39	871. 20	i	ŏ	55
	_	_			_	-			-	-	

AOTHER	AREA:	OTH	ER, MA	TERIALS							
VALUE	FREG	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT		FREQ	PCT	CUM PCT
873, 60	1	0	56	1577. 80	1	o	71	4160.00	1	ō	86
S75, 52	1	9	56	1612.80	1	٥	72	4402. 20	1	Ō	86
910.00	i	0	56	1706. 40	i	Ō	72	4425.00	1	Ō	87
910.80	1	•	57	1722.00	1	0	72	4594.48	1	0	87
920 00	1	0	57	1740.00	1	0	73	4700.00	1	0	87
950, 40	1	0	58	1742.00	1	Ù	73	4700. BO	1	0	88
761 80	1	o o	58	1802.64	1	Ö	73	4736, 00	1	0	88
970 00	i	0	58	1803 20	1	0	74	4760.00	1	0	88
972 CO	1	ō	39	1818.00	1	٥	74	4926.60	1	0	89
764, 40	1	0	5 <del>9</del>	1831 20	1	0	74	5100. 00	1	0	80
985,00 574,40	1	0	54	1984 00	1	Ō	75 	5148.00	1	0	82
1015.00	i 1	0	ට	1996, 92	1	Ō	75	5164.80	1	0	90
1027.00	1	0	<b>a</b> 0	1999, 20	1.	Õ	75	5250. 00	1	0	90
1035, 80	1	0	చ౦	2098.20	1	Õ	76	5511.04	1	0	91
1045 20	j	o o	oi oi	2131, 50 2137, 44	1	Ö	76	5754.00	1	Ö	91
1049 20	1	0	61	2162.40	1	ე ე	76 77	5878.40	1	0	91
1055.70	1	ő	ය. යෙඩි	2188.80	1	Ö		6300.00	1	0	92
1058 50	i	ŏ	52 52	2198 40	1	0	7 <b>7</b> 78	6570, 24 6909, 54	1	0	92
1080.00	1	5	62	2304 00	1	Ö	78	7056.00	1 1	0	92 93
າວຣີວິດວິ	i	ő	÷3	2324 08	1	ŭ	78	7065, 93	1 1	0	73 93
1148 14	:	Š	-33	2400.00	1	Ö	79	7063, <b>73</b> 7212, <b>78</b>	1	Ö	73 93
1155 00	1	ő	54	2528.00	i	ŏ	7.5	7520.00	1	ŏ	94
1178.00	1	ó	64	2587.50	i	Ö	79	8000.00	i	Ö	94
1184 28	1	ō	c-4	2660.00	1	Ğ	gó	8554. 40	i	ŏ	94
1170,00	1	O	65	2668.00	1	ō	80	8629. 92	i	ŏ	95
1196 00	1	ō	65	2679 50	1	ō	80	8640.00	i	ō	95
1200 00	1	Ö	65	2778.16	1	ō	81	8645 00	1	ō	95
1209.60	1	Ö	56	27 <b>88</b> . <b>0</b> 0	1	Ō	81	8950.00	i	ō	96
1248, 00	1	Ċ	26	2790.00	1	Ú	61	10200.00	1	ō	96
1260, 00	1	Ċ	66	2835. 00	1	C	82	11020.00	1	O	96
1314, 00	2	1	57	2862, 00	1	Ō	82	11050.00	i	0	97
1337 40	1	0	67	2895. 60	1	5	82	11054.00	i	0	97
1,362, 40	2	1	58	2 <b>969</b> 60	1	O		11318.40	1	0	98
1411 20	1	Ö	68	3150,00	1	0	83	14500,00	1	0	98
1441.50	1	0	ج غ	3168.00	1	Ċ	84	15862, 00	1	O	98
1442.00	1	0	57	3231.14	1	0		17897. 60	1	0	90
1472 00	1	ō	٠ <del>٠</del>	3283, 20	1	0		20416. 00	1	O	фĠ
1460.00	1	ō	70	3467 20	1	Ō		24015. 96	i	Ō	30
1496.00	1	Ö	70	3500 00	1	0		24480.00	1	0	100
1505.00	1	Ö	7;	3725, 00	1	Ō		55680 00	1	0	100
1549 80	1	0	71	3974, 40	1	٥	86				

TOWNS TOWNS OF THE PROPERTY OF

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10000 00000000000000000000000000000000						
S .						
897257Z	AOTHER	AREA: OTHER	MATERIALS			
	COUNT	MIDPOINT	ONE SYMBOL	EGUALS APPRO	XIMATELY 8.0	O OCCURRENCES
	226	1320	****	****	· * * *	
~	31	3972	***			
	10	6624	*			
B	7 4	9276 1192 <b>8</b>	*			
<del> </del>	ż	14580				
$\simeq$	1	17232				
8	1	19884 22536				
	0 2 0 0	25168				
	Ģ	27840				
<u> </u>	် ဂ	30492 33144				
	ő	35796				
	0	38448				
-	0 0	41100 43752				
-	ŏ	46404				
Ņ.	Q.	49056				
<b>&amp;</b>	0 1	51708 54340				
		24300	I + I.	+ I +	· , <b>I</b> , . <b>+</b>	. I + I
			0 80	160		320 400
			HIE	TOGRAM FREGUE	INCY	
	::EAN	2154, 842	STD ERR	278 016	MEDIAN	740. 000
	RODE	Ö. Ö		4693, 445	VARIANCE S	
	AURTOSIS	53. 221 144	S E KURT RANGE	1, 993 55680, 000	SKEWNESS MINIMUM	6. 654 0. 0
	S E SKEL MAXIMUM	55680 000	SUM	622679. 960	ELIMINATION	O. U
			000.054.51	سمر ورن سعم	0.500.500.700	- 1147.15
$\lesssim$	PERCENTILE	VALUE	PERCENTIL	E VALUE	PERCENTILE	VALUE
<u> </u>	10 00	115 000	25. 00	328, 000	33, 30	426, 476
	50.00	740,000		1314,000		1998, 060
assada Arakasa	90,00	5354 416				
ł :	VALID CASE	s 285	MISSING C	ASES 0		

# Roof materials

VALID CASES 285

CHIM INDICATOR: CHIMNEYS

VALUE LAB			FREQUENCY			PERCENT
NONE OBSERVE CHIMNEY OBSE		0 1	157 128	55. 1 44. 9		
		TOTAL	285	100. 0	100. 0	
NONE	0				•	
NONE	OBSERVED I				157 I	
CHIMNE	I 1 EY OBSERV I			128 I		
	I I. O	I 40		<b>I</b>	I. 160	I 200
MEAN MODE KURTOSIS S E SKEW MAXIMUM	O. O	STD ERR STD DEV S E KURT RANGE SUM	. 030 . 498 1. 993 1. 000 128. 000	VAR I SKEW	AN ANCE NESS MUM	0. 0 . 248 . 206 0. 0
PERCENTILE	VALUE	PERCENTILE	VALUE	PERC	ENTILE	VALUE
10.00 50.00 90.00	0. 0 0. 0 1. 000	25. 00 66. 70			. 30 . 00	0. 0 1. 000

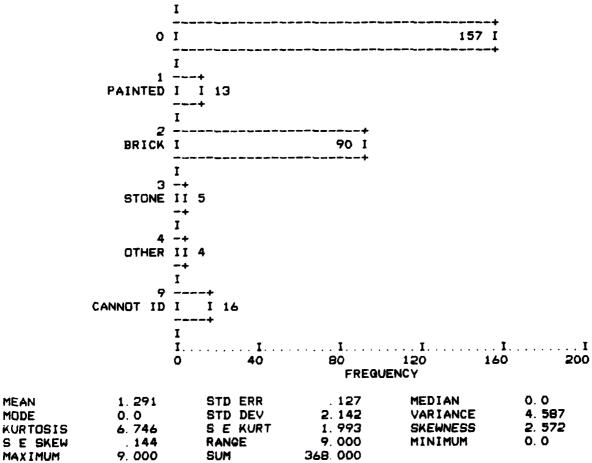
MISSING CASES

#### CMAT CHIMNEY MATERIAL

MEAN

MODE

VALUE LABEL		VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
		0	157	<b>55</b> . 1	<b>55</b> . 1	<b>55</b> . 1
PAINTED		1	13	4.6	4. 6	59. 6
BRICK		2	90	31.6	31. 6	91.2
STONE		3	5	1.8	1.8	<b>93</b> . 0
OTHER		4	4	1.4	1.4	94. 4
CANNOT ID		9	16	5. 6	5. 6	100. 0
		TOTAL	285	100.0	100. 0	
	I					
	^ T		~~~~~~		157 7	



CMAT CHIMNEY MATERIAL

PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10.00 50.00 90.00	0. 0 0. 0 2. 000	<b>25</b> . 00 <b>6</b> 6. 70	0. 0 2. 000	33. 30 75. 00	0. 0 2. 000
VALID CASES	285	MISSING CASES	0		

CAREA	EXPOS	ED C	HIMNE	Y AREA							
			CUM				CUM				CUM
VALUE	FREQ	PCT	PCT	VALUE	FREQ	PCT	PCT	VALUE	FREQ	PCT	
0	157	55	55	44	1	0	79	144	1	0	92
3	1	0	55	45	1	0	80	150	1	ō	92
4	2	1	56	48	5	2	81	160	1	ō	92
5	1	0	56	50	3	1	82	176	1	ō	93
6	4	1	58	54	1	0	83	180	3	1	94
8	5	2	60	56	1	0	83	192	1	ō	94
10	2	1	60	58	1	0	84	500	ī	ŏ	94
12	9	3	64	60	1	0	84	230	ī	ŏ	95
14	1	0	64	63	1	0	84	240	1	ō	95
15	1	0	64	64	ž	1	85	272	ī	ō	95
16	9	3	67	70	1	0	85	318	i	ŏ	96
17	1	0	68	72	1	0	86	424	ī	ŏ	96
18	2	1	68	80	2	1	86	450	Ş	1	97
20	6	5	71	88	2	1	87	480	5	1	98
24	9	3	74	90	1	0	87	768	2	ī	98
28	2	1	74	92	2	1	88	962	1	ō	99
30	5	2	76	96	3	1	89	1200	1	ō	99
32	3	1	77	100	1	0	89	1408	1	ō	99
36	1	0	78	110	1	0	90	5980	1	ō	100
40	3	1	79	120	3	1	91	4320	1	ŏ	100
42	1	0	79	140	1	Ō	01		•	_	

CAREA E	EXPOSED CHI	MNEY AREA			
COUNT	MIDPOINT	ONE SYMBOL E	QUALS APPROX	(IMATELY 8.00 (	DCCURRENCES
269	100	***	****	***	
4	306	*			
5	512	#			
5	718				
i	924				
i	1130				
_	1336				
1					
0	1542				
0	1748				
3	1954				
0	2160				
0	2366				
O	2572				
<u>1</u>	2778				
ō	2984				
ŏ	3190				
ŏ	3396				
Ö	3605				
	3808				
0					
0	4014				
i	4220		+ I+	I + I	+ I
		I + I		240 320	
		0 90	160		400
		HISIC	GRAM FREQUE	NC Y	
MEAN	73, 439	STD ERR	19. 788	MEDIAN	0. 0
MODE	0.0	STD DEV	334, 068	VARIANCE 111	.601. 141
KURTOSIS	105. 929	S E KURT	1. 993	SKEWNESS	9. 4B4
	. 144	RANGE	4320, 000	MINIMUM	0. 0
S E SKEW	4320,000		20930, 000		
MAXIMUM	4320.000	500	20730. 000		
		PERCENTILE	VALUE	PERCENTILE	VALUE
PERCENTILE	VALUE	PERLENTILE	VALUE		
10.00	0. 0	25. 00	0. 0	<b>33</b> . <b>30</b>	0. 0
50.00	0. 0	66. 70	16.000	<b>75. 00</b>	30.000
90.00	120,000	<i>-</i>			
VALID CASE	S 285	MISSING CA	SES 0		

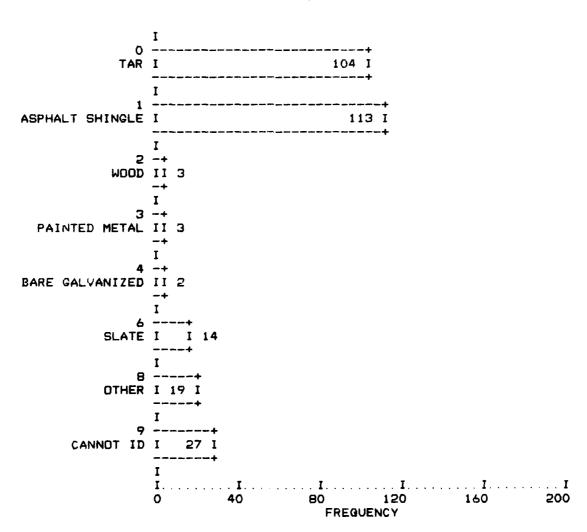
## SLOPE INDICATOR: ROOF SLOPE

A SECURITY OF THE PROPERTY OF

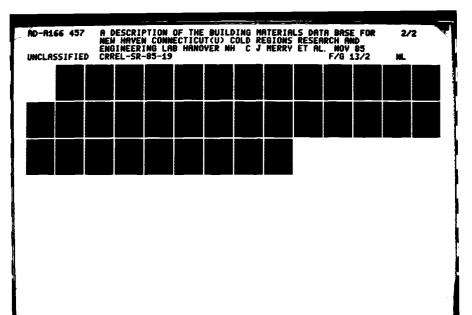
VALUE LABE	EL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	
SLOPED ROOF		0	167	58. 6	58. 6	
FLAT ROOF		1	118	41. 4	41. 4	100.0
		TOTAL	285	100. 0	100. 0	
		I				
SLO	OPED ROOF				167	-+ I
		I				· <b>+</b>
r	1 FLAT ROOF			•		
r	LAI KUUF			118 I		
		Ī	_	_		
		II 0 40		I 120	I. 160	
				QUENCY	160	200
MEAN	414	STD ERR	020	MEDI	<b>A A A</b>	
MODE	0.0	STD DEV	. 029 . <b>493</b>	MEDI	AN ANCE	. 243
KURTOSIS	-1.890	S E KURT	_		NESS	. 351
S E SKEW	. 144	RANGE	1.000	MINI	MUM	0. 0
MAXIMUM	1. 000	SUM	118.000			
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERC	ENTILE	VALUE
10.00	0. 0	25. 00	Q. O	33	. 30	0. 0
	0. 0		1. 000	75	. 00	1. 000
90. 00	1. 000					
VALID CASES	285	MISSING C	ASES 0			

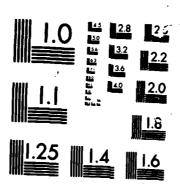
#### ERMAT ROOF MATERIAL TYPE

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
TAR	0	104	36. 5	36. 5	36. 5
ASPHALT SHINGLE	1	113	39.6	39. 6	76. 1
MOOD	2	3	1.1	1.1	77. 2
PAINTED METAL	3	3	1.1	1.1	78. 2
BARE GALVANIZED	4	2	. 7	. 7	78. 9
SLATE	6	14	4. 9	4. 9	83. 9
OTHER	8	19	6.7	6. 7	90. 5
CANNOT ID	9	27	9. 5	9. 5	100.0
	TOTAL	285	100.0	100.0	



ERMAT	ROOF MATERIA	L TYPE			
MEAN MODE KURTOSIS S E SKEW MAXIMUM	2 158 1 000 265 144 9 000	STD ERR STD DEV S E KURT RANGE SUM	. 185 3. 120 1. 993 9. 000 615. 000	MEDIAN VARIANCE SKEWNESS MINIMUM	1.000 9.732 1.404 0.0
PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10.00 50.00 90.00	0. 0 1. 000 8. 000	25. 00 <b>6</b> 6. 70	0. 0 1. 000	33. 30 75. 00	0. 0 1. 000
VALID CASE	S 285	MICCINO CAC	EC 6		





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MICROCOPY RESOLUTION TEST CHART

Proposition Carta Cart				S. Carrier		A CONTRACTOR OF THE PARTY OF TH	A STATE OF THE PARTY OF THE PAR	-2-6-4				2-11-11-01
4304												
D)												
<b>18</b>												
<b>N</b>												
405055												
i <b>Q</b>												
	ESAREA	AREA O	F EX	(POSED	ROOF							
<u> </u>				CUM				CUM				CUM
	VALUE	FREG	PCT	PCT	VALUE	FREQ	PCT	PCT	VALUE	FREQ	PCT	PCT
K						•						
	12	1	٥	0	1741	1	0	30	5144	1	0	64
R	96	1	Ö	1	1750	1	0	31	5280	1	0	64
	102	1	ō	1	1800	8	3	33	5334	1	0	65
<b>5</b> .	110	1	ō	1	1806	1	0	34	5370	1	0	65
peroperer	250	ī	ō	2	1900	1	Õ	34	5500	1	0	65
	300	i	ŏ	2	2000	1	ō	34	5600	2	1	66
	320	i	ő	5	2040		ō	35	5750	1	Ō	66
<b>   </b>	400	2	1	3	2100	5	2	36	5763	1	Ō	67
					2110	1	ō	37	5800	1	ō	67
	450	1	0	4	2200	1	Ö	37	<b>5836</b>	i	ō	67
7.	456	1	0	4	2250		ŏ	38	<b>5</b> 850	1	ŏ	68
	540	1	0	4		1		39	588 <del>9</del>	î	ŏ	68
	560	2	1	5	2300	3	1		6372	•	ŏ	68
<b> -</b>	590	1	0	5	2400	6	2	41	6400		ő	69
	672	2	1	6	2450	1	0	41	6500	2	1	69
	750	2	1	7	2500	3	1	42			ō	70
	800	5	2	8	2600	1	0	42	6540	1		
	810	1	0	9	2700	2	1	43	6655	1	0	70
	825	1	0	9	2720	1	0	44	6656	1	0	71
[·.	840	2	1	10	2800	4	1	45	6660	1	0	71
<b>.</b>	850	1	0	10	2900	1	0	45	6887	1	0	71
	900	1	0	11	3000	8	3	48	7000	1	0	72
<u></u>	960	1	0	11	3100	1	0	48	7156	1	0	72
	1000	3	1	12	3150	1	0	49	7396	1	0	72
<u> </u>	1050	2	1	13	3200	4	1	50	<b>75</b> 00	1	0	73
nessee	1100	1	٥	13	3250	1	0	51	7550	1	0	73
	1120	1	0	13	3300	1	0	51	7569	1	0	73
	1200	9	3	16	3400	6	2	53	8000	1	0	74
[·	1225	2	1	17	3500	2	1	54	8100	3	1	75
L	1250	1	0	18	3600	3	1	55	8350	1	0	75
	1300	4	1	19	3680	1	0	55	8632	1	0	75
	1312	1	ō	19	3700	1	0	55	8985	1	0	76
N.	1350	1	Ō		3850	1	0	56	9000	1	0	76
**************************************	1392	ī	ō		3915	1	0	56	9016	1	0	76
	1400	6	2		3920	1	0	56	9025	2	1	77
	1408	1	ō		3960	1	Ō	57	9200	1	0	78
	1440	i	ŏ		4000	5	2	59	9304	1	0	78
	1470	2	1	24	4125	1	ō	59	9661	1	0	78
	1483	1	ō		4300	ī	ō	59	9852	1	0	79
I  }		_	2		4400	î	ŏ	60	9975	2	1	79
E	1500	6			4460	1	ő	60	10056	ī	ō	80
	1550	1	0		4500	2	1	61	10800	i	ŏ	80
l K	1600	3	1		4700	2	1	61	10900	i	ŏ	80
	1608	1	0		4800	5	1	95 01	10748	1	ŏ	81
	1680	1	0				0	62 62	11504	1	ŏ	81
	1697	1	0		4889	1			11520	1	ŏ	81
	1700	3	1		5000	2	1	63		1	Ö	82
	1733	1	0	30	5143	1	0	64	11807		9	JE

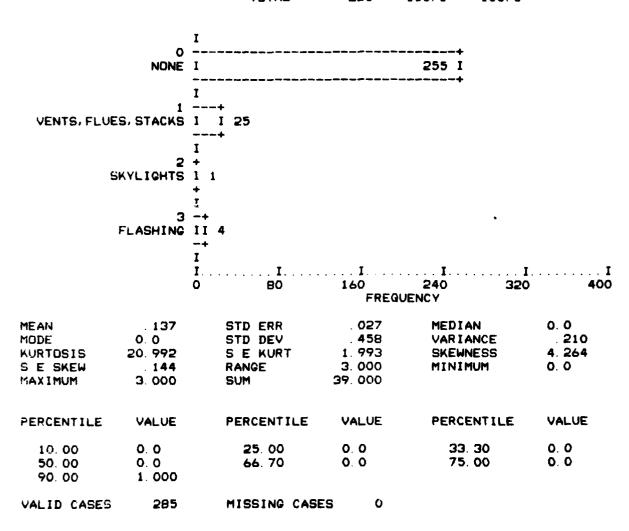
ESAREA	AREA OF	EXF	OSE	D ROOF							
VALUE	FREG P		CUM	VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT
11834	1	0	82	19321	3	1	88	65347	1	0	94
11887	ī	ō	82	20000	1	ō	88	66000	i	ŏ	<del>9</del> 5
13350	1	ō	83	55000	í	ő	89	67200	2	ī	95
13700	1	ō	83	23500	ī	ō	89	68000	<u> </u>	ō	96
13844	<u>ī</u>	ō	84	25000	1	ō	89	78400	ī	ō	96
14000	1	Ö	84	25500	1	ō	90	78500	1	ō	96
14247	1	Ö	84	30000	2	1	91	79695	1	ō	97
14803	1	0	85	31000	1	0	91	B1000	1	Ō	97
14897	1	0	85	33912	1	0	91	94000	1	0	98
15000	1	0	85	34000	2	1	92	95000	1	0	98
16090	1	0	86	45288	1	0	92	104940	1	0	98
17000	1	0	86	48620	1	0	93	107100	2	1	99
17335	1	0	86	58000	1	0	<b>9</b> 3	129000	1	0	99
18700	1	0	87	58410	1	0	93	129943	1	0	100
19101	1	0	87	62500	2	1	94	185000	1	0	100
COUNT	MIDPO	INT		ONE SYMBOL	EQUAL	_S AI	PPROX	IMATELY	8.00 00	CCURE	RENCES
215	4	416	**	******	****	****	****	*			
31	13	225	**	<b>+**</b>							
10		034	*								
6		943	*								
0		652									
5		461									
2		270									
7		079	*								
5 5		888									
2		597 506									
1	101										
2	110										
ō	1189										
ž	127										
ō	136	—									
ō	145										
ŏ	154										
ō	162										
ō	171										
1	180										
		_	I	<b>+.I</b>	. +	. I	<b>. +</b> .	<b>I</b>	• <b>I</b>	+.	1
			0	80		160		240	320		400
				HIST	COCRA	1 FRI	EQUEN	CY			

ESAREA AREA	OF EXPOSE	D ROOF				
MODE 120	3. 526 0. 000 5. 901 . 144 0. 000	STD ERR STD DEV S E KURT RANGE SUM	1428. 24124. 1. 184988. 332410	117 993 000	MEDIAN VARIANCE SKEWNESS MINIMUM	3200. 000 581973009 3. 711 12. 000
PERCENTILE	VALUE	PERCENTI	LE V	ALUE	PERCENTIL	E VALUE
50.00 320	6. 000 0. 000 0. 000	25. 00 66. 70	1500. 5791.		33. 30 75. 00	1801. 428 8476. 000
VALID CASES	285	MISSING	CASES	0		

Seesa and the seesast and the seesast and seesast and seesast and seesast and seesast and seesast and seesast

#### APP INDICATOR: ROOF APPARATUS

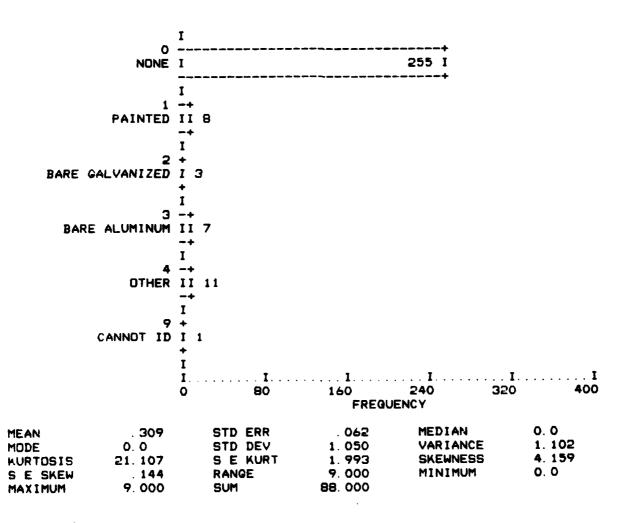
VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE	0	255	<b>89</b> . 5	89. 5	<b>8</b> 9. 5
VENTS, FLUES, STACKS	1	25	8.8	8. 8	<b>98.</b> 2
SKYLIGHTS	2	1	. 4	. 4	98. 6
FLASHING	3	4	1.4	1.4	100.0
	TOTAL	285	100.0	100.0	



### RMAT ROOF APP MATERIAL

では、これのできなが、一般のないでは、「ないない」ということには、「ないないない」

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE	0	255	<b>89</b> . 5	89. 5	89. 5
PAINTED	1	8	2. 8	2. 8	<b>92.</b> 3
BARE GALVANIZED	2	3	1.1	1.1	<b>93</b> . 3
BARE ALUMINUM	3	7	2. 5	2. 5	95. B
OTHER	4	11	3. 9	3. 9	99. 6
CANNOT ID	9	1	. 4	. 4	100.0
	TOTAL	285	100. 0	100. 0	



RMAT	ROOF	APP	MATERIAL
------	------	-----	----------

PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10. 00	0. 0	25. 00	0. 0	<b>33</b> . <b>30</b>	0. 0
50. 00	0. 0	66. 70	Q. O	75. 00	0. 0
90. 00	1. 000				
VALID CASES	285	MISSING CASE	s o		

# ITEMS NO OF ROOF APP ITEMS

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
	0	255	89.5	89. 5	89. 5
	1	15	<b>5</b> . 3	5. 3	94.7
	2	5	1.8	1.8	96. 5
	4	1	. 4	. 4	96.8
	В	1	. 4	. 4	97. 2
	9	1	. 4	. 4	97. 5
	10	5	1.8	1.8	99. 3
	13	1	. 4	. 4	99. 6
	23	1	. 4	. 4	100.0
	TOTAL	285	100.0	100.0	

# ITEMS NO OF ROOF APP ITEMS 255 I 1 I I 15 2 II 5 10 II 5 13 I 1 23 I 1 80 160 240 320 400 FREQUENCY MEAN STD ERR . 128 MEDIAN 0. 0 . 463 MODE 2. 166 4. 693 O. O STD DEV VARIANCE

S E KURT

RANGE

SUM

KURTOSIS

S E SKEW

MAXIMUM

51. 302

. 144 23. 000 1. 993

23. 000

132.000

6. 572

0.0

SKEWNESS

MINIMUM

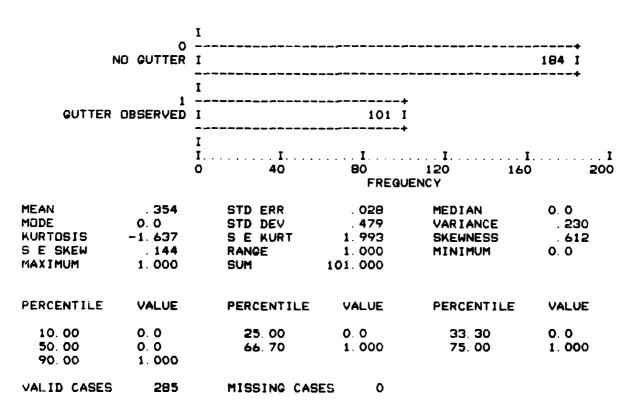
## Rain gutters, downspouts, fences and other accessories

ITEMS NO OF ROOF APP ITEMS

PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10.00	0. 0	25. 00	0.0	33 30	0 0
<b>5</b> 0. 00	0. 0	66. 70	0 0	75 00	0 0
90. 00	1. 000				
VALID CASES	285	MISSING CASE	s o		

RGUT INDICATOR: RAIN GUTTERS

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VAL ID PERCENT	CUM PERCENT
NO GUTTER GUTTER OBSERVED	0	1 <b>84</b> 101	64 6 35 4	64 6 35 4	<b>64</b> 6
	TOTAL	285	100.0	100 0	100 0



#### RGMAT RAIN GUTTER MATERIAL

VALID CASES 285

CONTRACT CONTRACTOR SERVICE CONTRACTOR

VALUE LABE	L	VALUE	FREQUENCY	PERCENT	VALID PERCENT	
BARE GALVANI VINYL PAINTED COPPER	ZED	0 1 2 3 4	184 9 2 82 8		28. 8	67. 7
		TOTAL		100. 0	100.0	
		I				
	o	7				184 I
BARE GA	1 LVANIZED	I + I I 9 + I				
	VINYL	-+ II 2 -+				
	3 PAINTED	I I	82 I			
	4 COPPER	I +	<b>-</b>			
		I II O 40	80			
MEAN MODE KURTOSIS S E SKEW MAXIMUM	1.021 0.0 -1.266 .144 4.000	S E KURT	. 085 1.436 1.993 4.000 291.000	VAR I SKELL	AN ANCE INESS MUM	0. 0 2. 063 . 781 0. 0
PERCENTILE	VALUE	PERCENTI	LE VALUE	PERC	ENTILE	VALUE
10.00 50.00 90.00	0. 0 0. 0 3. 000	25. 00 66. 70	0. 0 1. 000		). 30 5. 00	0. 0 3. 000

#### DSPOUT MATERIAL OF DOWNSPOUT

VALUE LABEL		VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
		0	163	57. 2	57. 2	57. 2
BARE GALVANIZED		1	14	4. 9	4. 9	62.1
PAINTED		3	103	36. 1	36.1	98.2
COPPER		4	5	1.8	1.8	100.0
		TOTAL	285	100. 0	100. 0	
	I					

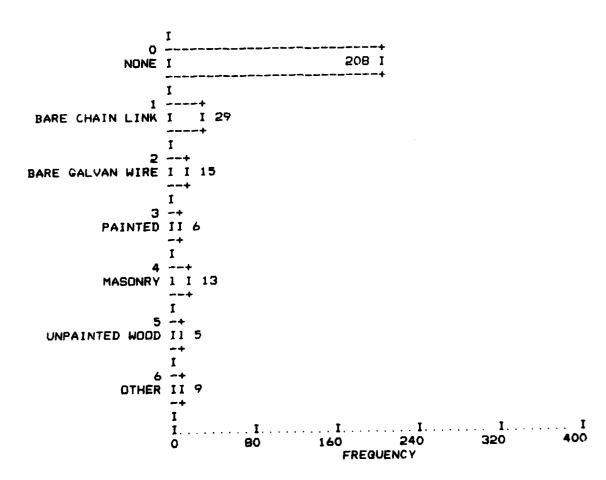
		I			
					-+
	0	I		163	I
					-+
		1			
	1				
BARE	GALVANIZED	I I 14			
		+			
	_	1			
	3	·	400	•+	
	PAINTED	1	103	1	
		I		•	
	4	-+			
	COPPER	•			
	COFFER	-+			
		Ī			
		-	. <b>T</b>	<b>I</b>	T T
		0 40	80		
		• • • • • • • • • • • • • • • • • • • •		120 10	
			FREGU		
			FREGU		
MEAN	1. 204	STD ERR		ENCY	0.0
MEAN MODE	1. 204 0. 0		. 087	MEDIAN	
		STD DEV	. 087	MEDIAN	0. 0 2. 142 . 478
MODE	O. O	STD DEV	. 087 1. 463 1. 993	MEDIAN VARIANCE	2.142
MODE KURTOSIS	0. 0 -1. 683	STD DEV S E KURT R <b>ang</b> e	. 087 1. 463 1. 993 4. 000	MEDIAN VARIANCE SKEWNESS	2.142 .478
MODE KURTOSIS S E SKEW	0. 0 -1. 683 . 144	STD DEV S E KURT R <b>ang</b> e	. 087 1. 463 1. 993	MEDIAN VARIANCE SKEWNESS	2.142 .478
MODE KURTOSIS S E SKEW	0. 0 -1. 683 . 144	STD DEV S E KURT R <b>ang</b> e	. 087 1. 463 1. 993 4. 000	MEDIAN VARIANCE SKEWNESS	2.142 .478
MODE KURTOSIS S E SKEW	0. 0 -1. 683 . 144 4. 000	STD DEV S E KURT R <b>ang</b> e	. 087 1. 463 1. 993 4. 000	MEDIAN VARIANCE SKEWNESS	2.142 .478
MODE KURTOSIS S E SKEW MAXIMUM	0. 0 -1. 683 . 144 4. 000	STD DEV S E KURT RANGE SUM	. 087 1. 463 1. 993 4. 000 343. 000	MEDIAN VARIANCE SKEWNESS MINIMUM	2. 142 . 478 0. 0
MODE RURTOSIS S E SKEW MAXIMUM PERCENTILE	0. 0 -1. 683 . 144 4. 000 VALUE 0. 0	STD DEV S E KURT RANGE SUM PERCENTILE 25.00	. 087 1. 463 1. 993 4. 000 343. 000 VALUE 0. 0	MEDIAN VARIANCE SKEWNESS MINIMUM  PERCENTILE 33.30	2. 142 . 478 0. 0
MODE RURTOSIS S E SKEW MAXIMUM  PERCENTILE 10.00 50.00	0. 0 -1. 683 . 144 4. 000 VALUE 0. 0 0. 0	STD DEV S E KURT RANGE SUM PERCENTILE	. 087 1. 463 1. 993 4. 000 343. 000	MEDIAN VARIANCE SKEWNESS MINIMUM  PERCENTILE	2. 142 478 0. 0
MODE RURTOSIS S E SKEW MAXIMUM PERCENTILE	0. 0 -1. 683 . 144 4. 000 VALUE 0. 0	STD DEV S E KURT RANGE SUM PERCENTILE 25.00	. 087 1. 463 1. 993 4. 000 343. 000 VALUE 0. 0	MEDIAN VARIANCE SKEWNESS MINIMUM  PERCENTILE 33.30	2. 142 . 478 0. 0 VALUE
MODE RURTOSIS S E SKEW MAXIMUM  PERCENTILE 10.00 50.00	0. 0 -1. 683 . 144 4. 000 VALUE 0. 0 0. 0 3. 000	STD DEV S E KURT RANGE SUM PERCENTILE 25.00	. 087 1. 463 1. 993 4. 000 343. 000 VALUE 0. 0 3. 000	MEDIAN VARIANCE SKEWNESS MINIMUM  PERCENTILE 33.30	2. 142 . 478 0. 0 VALUE

DSLENG	DOWNS	POUT	LENG	тн								
VALUE	FREG	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT	VALUE	FREQ	PCT	CUM PCT	
0	163	57	<b>5</b> 7	37	1	0	77	100	1	0	94	
10	3	1	58	40	15		82	102	1	0	94	
12	2	1	59	41	1			120	3	1	95	
15	2	1	60	45	3	1	84	128	1	0	95	
16	2	1	60	50	7			134	1	0	96	
18	1	0	61	<b>55</b>	1			140	1	0	96	
20 24	11	4	65 4.5	56	1			150	1	0	96	
25	8	3	65 68	60 64	7		-	170	1	0	97	
27 27	1	Ö	68	65	1	0		180 192	1	0		
28	î	ŏ	68	78	1	_		200	2	0	-	
29	i	ŏ	69	80	5			212	1	ō		
30	14	5	74	90	1			300	1			
32	2		74	95	i			360	1	ŏ		
35	3		75	96	1	ō		375	ī	-	100	
36	3	1	76	98	1	Ö	93	999	i		100	
COUNT	MIDE	POINT	r (	ONE SYMBOL	_ EQUAL	_S AF	PROX	(IMATELY	8.00 00	CURF	RENCES	
235		20	) **	*****	*****	****	****	***				
28		68	3 ***	**								
10		116										
4		164										
4		212										
0		30E										
2		356										
ō		404										
ŏ		452										
ŏ		500										
ō		54E										
0		596										
0		644	1									
0		692	?									
0		740	)									
0		788										
0		836										
0		884										
0		932										
1		980	_	. •		-	_	-	_	_	_	
			I	+I 80 HIS		160		240	320 320	, . <b>+.</b>	400	
				114				· • ·				

DSLENG	DOWNSPOUT	LENGTH			
MEAN MODE KURTOSIS S E SKEW MAXIMUM	29, 267 0, 0 91, 891 144 999, 000	STD ERR STD DEV S E KURT RANGE SUM	4, 553 76, 867 1, 993 999, 000 8341, 000	MEDIAN VARIANCE SKEWNESS MINIMUM	0. 0 5908. 506 8. 137 0. 0
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERCENTILE	VALUE
10. 00 50. 00 90. 00	0. 0 0. 0 78. 800	<b>25</b> . 00 <b>66</b> . 70	0. 0 25. 000	33. 30 75. 00	0. 0 35. 000
VALID CASE	S <b>285</b>	MISSING C	ASES 0		

### FENCE FENCE TYPE

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE BARE CHAIN LINK BARE GALVAN WIRE PAINTED MASONRY UNPAINTED WOOD OTHER	0 1 2 3 4 5	208 29 15 6 13 5	73. 0 10. 2 5. 3 2. 1 4. 6 1. 8 3. 2	73. 0 10. 2 5. 3 2. 1 4. 6 1. 8 3. 2	73. 0 83. 2 88. 4 90. 5 95. 1 96. 8 100. 0
	TOTAL	285	100.0	100.0	



FENCE FE	NCE TYPE				
MEAN MODE KURTOSIS S E SKEW MAXIMUM	. 730 0. 0 4. 113 . 144 6. 000	STD ERR STD DEV S E KURT RANGE SUM	. 089 1. 511 1. 993 6. 000 208. 000	MEDIAN VARIANCE SKEWNESS MINIMUM	0. 0 2. 282 2. 244 0. 0
PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10. 00 50. 00 90. 00	0. 0 0. 0 3. 000	<b>25</b> . 00 <b>66</b> . 70	0. 0 0. 0	33. 30 75. 00	0, 0 1, 000
UAL ID CASES	205	MIRCINO CAD	EC 0		

FLENG FENCE LENGTH  VALUE LABEL  VALUE   PREQUENCY   PERCENT   PER								
FLENG FENCE LENGTH  VALUE LABEL  VALUE   FREQUENCY   PERCENT   PER	Commence and a	A COLUMN TO STATE OF THE STATE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Albert State Bushes and Local State			
FLENG FENCE LENGTH  VALUE LABEL  VALUE   FREQUENCY   PERCENT   PER	6							
VALUE LABEL  VALUE   FREQUENCY   PERCENT   PER								
VALUE LABEL  VALUE   FREQUENCY   PERCENT   PER	3							
VALUE LABEL  VALUE   FREQUENCY   PERCENT   PER								
VALUE LABEL  VALUE   FREQUENCY   PERCENT   PER								
VALUE LABEL  VALUE   FREQUENCY   PERCENT   PER								
0 208 73.0 73.0 73.0 73.0 73.0 4 1 1 4 4 73.7 7 10 10 1 4 4 73.7 7 10 11 4 4 74.0 11 15 1 4 4 74.0 11 15 1 4 4 74.0 11 15 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 80.0 40 2 7 7 78.6 40 2 7 7 78.6 40 2 7 7 78.6 40 2 7 7 78.0 7 80.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7								
0 208 73.0 73.0 73.0 73.0 73.0 4 1 1 4 4 73.7 7 10 10 1 4 4 73.7 7 10 11 4 4 74.0 11 15 1 4 4 74.0 11 15 1 4 4 74.0 11 15 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 80.0 40 2 7 7 78.6 40 2 7 7 78.6 40 2 7 7 78.6 40 2 7 7 78.0 7 80.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>R</b>	FLENG	FENCE LENGTH					
0 208 73.0 73.0 73.0 73.0 73.0 4 1 1 4 4 73.7 7 10 10 1 4 4 73.7 7 10 11 4 4 74.0 11 15 1 4 4 74.0 11 15 1 4 4 74.0 11 15 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 80.0 40 2 7 7 78.6 40 2 7 7 78.6 40 2 7 7 78.6 40 2 7 7 78.0 7 80.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7								
0 208 73.0 73.0 73.0 73.0 73.0 4 1 1 4 4 73.7 7 10 10 1 4 4 73.7 7 10 11 4 4 74.0 11 15 1 4 4 74.0 11 15 1 4 4 74.0 11 15 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 75.8 18 18 1 4 4 80.0 40 2 7 7 78.6 40 2 7 7 78.6 40 2 7 7 78.6 40 2 7 7 78.0 7 80.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>S</b>							
4 1 4 4 73.3 7 10 10 1 4 4 73.7 7 10 12 1 4 4 74.4 11 15 1 4 4 74.4 11 15 1 4 4 74.4 11 17 2 7 7 75.4 11 8 1 1 4 4 75.8 120 6 2 1 2 1 77.9 125 2 5 1 1 8 1 8 80.0 14 1 4 1 4 80.0 14 1 1 4 80.0 14 1 1 4 80.0 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		VALUE	LABEL	VALUE	FREQUENCY	PERCENT	PERCENT	PERCENT
17 2 7 4 7 75.8  18 1 4 4 75.8  20 6 2 1 2.1 77.9  25 2 7 7 78.6  30 4 1.4 1.4 80.0  40 2 7 7 7 80.7  43 1 4 4 83.1  50 5 1.8 1.8 82.8  55 1 4 4 83.2  60 7 2.5 2.5 1.8 85.6  80 4 1.4 1.4 87.0  100 6 2.1 2.1 89.1  120 7 2.5 2.5 91.6  140 1 4 4 92.3  150 2 7 7 7 93.0  200 1 4 4 92.3  200 1 4 4 92.3  200 1 4 4 93.3  230 1 4 4 93.3  230 1 4 4 93.7  240 250 1 4 4 97.5  250 1 4 4 97.5  260 1 4 4 97.5  270 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.7  300 2 7 7 7 98.6  400 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 99.7  300 1 4 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 9 97.5  301 1 4 9 97.	5.			0	208			<b>73</b> . <b>0</b>
17 2 7 4 7 75.8  18 1 4 4 75.8  20 6 2 1 2.1 77.9  25 2 7 7 78.6  30 4 1.4 1.4 80.0  40 2 7 7 7 80.7  43 1 4 4 83.1  50 5 1.8 1.8 82.8  55 1 4 4 83.2  60 7 2.5 2.5 1.8 85.6  80 4 1.4 1.4 87.0  100 6 2.1 2.1 89.1  120 7 2.5 2.5 91.6  140 1 4 4 92.3  150 2 7 7 7 93.0  200 1 4 4 92.3  200 1 4 4 92.3  200 1 4 4 93.3  230 1 4 4 93.3  230 1 4 4 93.7  240 250 1 4 4 97.5  250 1 4 4 97.5  260 1 4 4 97.5  270 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.7  300 2 7 7 7 98.6  400 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 99.7  300 1 4 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 9 97.5  301 1 4 9 97.				4				73. 3
17 2 7 4 7 75.8  18 1 4 4 75.8  20 6 2 1 2.1 77.9  25 2 7 7 78.6  30 4 1.4 1.4 80.0  40 2 7 7 7 80.7  43 1 4 4 83.1  50 5 1.8 1.8 82.8  55 1 4 4 83.2  60 7 2.5 2.5 1.8 85.6  80 4 1.4 1.4 87.0  100 6 2.1 2.1 89.1  120 7 2.5 2.5 91.6  140 1 4 4 92.3  150 2 7 7 7 93.0  200 1 4 4 92.3  200 1 4 4 92.3  200 1 4 4 93.3  230 1 4 4 93.3  230 1 4 4 93.7  240 250 1 4 4 97.5  250 1 4 4 97.5  260 1 4 4 97.5  270 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.7  300 2 7 7 7 98.6  400 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 99.7  300 1 4 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 9 97.5  301 1 4 9 97.	N.						. <b>4</b> . 4	74. O
17 2 7 4 7 75.8  18 1 4 4 75.8  20 6 2 1 2.1 77.9  25 2 7 7 78.6  30 4 1.4 1.4 80.0  40 2 7 7 7 80.7  43 1 4 4 83.1  50 5 1.8 1.8 82.8  55 1 4 4 83.2  60 7 2.5 2.5 1.8 85.6  80 4 1.4 1.4 87.0  100 6 2.1 2.1 89.1  120 7 2.5 2.5 91.6  140 1 4 4 92.3  150 2 7 7 7 93.0  200 1 4 4 92.3  200 1 4 4 92.3  200 1 4 4 93.3  230 1 4 4 93.3  230 1 4 4 93.7  240 250 1 4 4 97.5  250 1 4 4 97.5  260 1 4 4 97.5  270 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.7  300 2 7 7 7 98.6  400 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 97.5  301 1 4 4 99.7  300 1 4 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 97.5  301 1 4 9 97.5  301 1 4 9 97.	K.			12	1	. 4	. 4	74. 4
18 1 4 75.8 20 6 2.1 2.1 77.9 25 22 7 7 78.6 30 4 1.4 1.4 80.0 40 2 7 7 7 80.7 43 1 4 81.1 8 82.8 55 1 4 83.2 60 7 2.5 2.5 85.6 80 4 1.4 1.4 87.0 100 6 2.1 2.1 89.1 100 6 2.1 2.1 89.1 100 6 2.1 2.1 89.1 1100 6 2.1 2.1 89.1 1100 7 2.5 2.5 91.6 1140 1 4 4 91.9 1144 1 4 4 91.9 1144 1 4 4 91.9 1144 1 4 4 91.9 1144 1 4 4 91.9 1144 1 4 4 91.9 1144 1 4 4 91.9 1144 1 4 4 91.9 1144 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 91.9 1150 1 4 4 97.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				15	i 2	. 4	. <b>4</b> 7	
20 6 2 1 2 1 7 7 78 6 30 4 1 4 1 4 80 0 40 2 7 7 7 80 7 80 7 43 1 4 4 81 1 50 5 1 8 1 8 82 8 55 1 4 4 83 2 60 7 2 5 2 5 85 6 80 4 1 4 1 5 4 87 0 100 6 2 1 2 1 89 1 120 7 2 5 2 5 91 6 140 1 4 4 91 9 144 1 4 4 93 3 150 2 7 7 93 0 200 1 4 4 93 3 230 1 4 4 93 3 230 1 4 4 93 3 230 1 4 4 93 3 230 1 4 4 93 3 250 1 4 4 93 7 250 1 4 4 93 7 250 1 4 4 93 7 250 1 4 4 97 9 260 1 4 4 97 9 260 1 4 4 97 9 260 1 4 4 97 9 260 1 4 4 97 9 260 1 4 4 97 9 260 1 4 4 97 9 260 1 4 4 97 9 260 1 4 4 97 9 260 1 4 4 97 9 270 1 4 4 97 9 280 1 4 4 97 9 380 1 4 4 4 90 9 380 1 4 4 4 90 9 380 1 4 4 4 9 380 1				18	1	. 4	. 4	75.8
50 5 1.8 1.8 82.8 55 1 4 4 4 83.2 60 7 2.5 2.5 85.6 80 4 1.4 1.4 87.0 100 6 2.1 2.1 89.1 120 7 2.5 2.5 91.6 140 1 4 4 91.9 144 1 4 4 92.3 150 2 7 7 7 93.0 200 1 4 4 93.3 230 1 4 4 93.7 250 1 4 4 94.7 250 1 4 4 94.7 250 1 4 4 94.7 268 1 4 4 94.7 270 1 4 4 95.1 300 4 1.4 1.4 95.1 300 4 1.4 1.4 96.8 400 1 4 4 97.5 300 1 4 97.5 300 1 4				20		2.1		77. <b>9</b>
50 5 1.8 1.8 82.8 55 1 4 4 4 83.2 60 7 2.5 2.5 85.6 80 4 1.4 1.4 87.0 100 6 2.1 2.1 89.1 120 7 2.5 2.5 91.6 140 1 4 4 91.9 144 1 4 4 92.3 150 2 7 7 7 93.0 200 1 4 4 93.3 230 1 4 4 93.7 250 1 4 4 94.7 250 1 4 4 94.7 250 1 4 4 94.7 268 1 4 4 94.7 270 1 4 4 95.1 300 4 1.4 1.4 95.1 300 4 1.4 1.4 96.8 400 1 4 4 97.5 300 1 4 97.5 300 1 4					2 4	. / 1. <b>4</b>	1.4	80. O
50 5 1.8 1.8 82.8 55 1 4 4 4 83.2 60 7 2.5 2.5 85.6 80 4 1.4 1.4 87.0 100 6 2.1 2.1 89.1 120 7 2.5 2.5 91.6 140 1 4 4 91.9 144 1 4 4 92.3 150 2 7 7 7 93.0 200 1 4 4 93.3 230 1 4 4 93.7 250 1 4 4 94.7 250 1 4 4 94.7 250 1 4 4 94.7 268 1 4 4 94.7 270 1 4 4 95.1 300 4 1.4 1.4 95.1 300 4 1.4 1.4 96.8 400 1 4 4 97.5 300 1 4 97.5 300 1 4				40	2	. 7	. 7	80. 7
55 1 4 4 83.2   60 7 2.5 2.5 85.6   80 4 1.4 1.4 1.4 87.0   100 6 2.1 2.1 89.1   120 7 2.5 2.5 91.6   140 1 4 4 91.9   144 1 4 4 92.3   150 2 7 7 7 93.0   200 1 4 4 99.3   230 1 4 4 99.3   230 1 4 4 99.7   250 1 4 94.7   250 1 4 94.7   250 1 4 94.7   250 1 4 94.7   250 1 4 94.7   250 1 4 94.7   250 1 4 97.5   301 1 4 96.5   301 1 4 4 96.5   301 1 4 4 96.5   301 1 4 4 97.5   300 1 4 4 97.5   300 1 4 4 99.8   800 1 4 4 97.5   500 1 4 4 99.9   900 2 7 7 7 98.6   700 1 4 4 99.9   900 2 7 7 7 100.0    TOTAL 285 100.0 100.0					1 5	. 4	. 4 1 B	81.1 92.8
60 7 2.5 2.5 65.6 80 4 1.4 1.4 87.0 100 6 2.1 2.1 89.1 120 7 2.5 2.5 91.6 140 1 4 4 91.9 144 1 4 4 92.3 150 2 7 7 7 93.0 200 1 4 4 93.3 230 1 4 4 94.7 250 1 4 4 94.7 250 1 4 94.7 260 1 4 94.7 270 1 4 95.1 300 4 1.4 1.4 96.5 301 1 4 96.5 301 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 96.5 300 1 4 97.9 600 2 7 7 7 98.6 700 1 4 99.3 900 2 7 7 100.0					1	. 4	. 4	83. 2
140				60	7	2. 5		85. 6 87. 0
140								87. U 89. 1
144 1 4 4 92.3 150 2 7 7 7 93.0 200 1 4 4 4 93.3 320 1 4 4 4 93.7 250 1 4 4 4 94.0 260 1 4 4 4 94.4 268 1 4 4 94.7 270 1 4 4 4 96.5 300 4 1 4 1 4 96.5 301 1 4 4 96.5 301 1 4 4 96.8 400 1 4 4 97.5 500 1 4 97.5 500 1 4				120	7	<b>2</b> . <b>5</b>	2. 5	91.6
150 2 7 7 93.0 200 1 4 4 93.7 250 1 4 4 94.0 250 1 4 4 94.4 268 1 4 4 94.7 270 1 4 4 95.1 300 4 1 4 1 96.5 301 1 4 4 96.8 400 1 4 4 97.5 460 1 4 4 97.5 500 1 4 4 97.5 600 2 7 7 98.6 700 1 4 99.9 800 1 4 99.9 800 1 4 99.3 900 2 7 7 100.0						. 4 A	. 4 A	91. 9 92.3
250 1 4 4 74.4 268 1 4 4 94.7 270 1 4 4 96.5 300 4 1 4 1 96.5 301 1 4 4 96.8 400 1 4 4 97.2 460 1 4 4 97.9 600 2 7 7 98.6 700 1 4 4 99.3 900 2 7 7 7 100.0						. 7	. 7	<b>93</b> . 0
250 1 4 4 74.4 268 1 4 4 94.7 270 1 4 4 96.5 300 4 1 4 1 96.5 301 1 4 4 96.8 400 1 4 4 97.2 460 1 4 4 97.9 600 2 7 7 98.6 700 1 4 4 99.3 900 2 7 7 7 100.0				200	1	. 4	. 4	93. 3 93. 7
268 1 4 4 79.7 270 1 4 4 97.5 300 4 1.4 1.4 96.5 301 1 4 4 97.5 400 1 4 4 97.5 500 1 4 4 97.9 600 2 7 7 98.6 700 1 4 4 98.9 800 1 4 4 99.3 900 2 7 7 100.0	法					. <del>4</del> . 4		94. 0
270 1 4 4 75.1 300 4 1.4 1.4 96.5 301 1 4 4 79.2 400 1 4 4 77.2 460 1 4 4 77.5 500 1 4 4 77.9 600 2 7 7 7 98.6 700 1 4 4 79.9 800 1 4 7 7 7 100.0  TOTAL 285 100.0 100.0				260	1	. 4	. 4	94. 4
300 4 1 4 1 4 96.5 301 1 4 4 96.5 400 1 4 4 97.2 460 1 4 4 97.5 500 1 4 4 97.9 600 2 7 7 98.6 700 1 4 4 98.9 800 1 4 4 99.3 900 2 7 7 100.0  TOTAL 285 100.0 100.0	N.				1	. 4	. 4 . 4	
## 109   1				300	4	1.4	1. 4	96. 5
460 1 4 4 97.5 500 1 4 4 97.9 600 2 7 7 98.6 700 1 4 4 98.9 800 1 4 4 99.3 900 2 7 7 100.0  TOTAL 285 100.0 100.0				301	1	. 4		96. 8 97. 2
500 1 4 4 97.9 600 2 7 7 98.6 700 1 4 4 98.9 800 1 4 4 99.3 900 2 7 7 100.0					1	. <b>4</b>		97. <b>5</b>
700 1 4 4 78.9 800 1 4 4 99.3 900 2 7 7 100.0 TOTAL 285 100.0 100.0				<b>50</b> 0	1	. 4		97. 9
800 1 4 4 99.3 900 2 7 7 100.0 TOTAL 285 100.0 100.0				<b>600</b>	_	. 7		
TOTAL 285 100.0 100.0				800	î		. 4	99. 3
109				900	2	. 7	. 7	100.0
109				TOTAL	285	100.0	100.0	
109								
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					109			
	i i i i i i i i i i i i i i i i i i i							
							1.17.19.19.19	

FLENG	FENCE LENGT	гн			
COUNT	MIDPOINT	ONE SYMBOL	EQUALS APPRI	DXIMATELY 8.00	OCCURRENCES
230	20	******	****	****	
18	63	**			
13	106	**			
4	149	*			
1	192				
2 3	235 278				
5	321	*			
ō	364	-			
1	407				
1	450				
1 0	493				
2	536 579				
ō	622				
Ō	665				
1	708				
0	751				
1 0	794 837				
5	880				
		1 + 1	. <b>+ I</b>	+ <b>I</b> +	I + I
		0 80	160	240 32	20 400
		HIS.	TOGRAM FREGUE	ENCY	
MEAN	43. 586	STD ERR	7. 616	MEDIAN	0. 0
MODE	<b>O</b> . <b>O</b>	STD DEV	128. 572	VARIANCE 1	.6530. 673
KURTOSIS	22. 031	S E KURT	1. 993	SKEWNESS	4. 433
S E SKEW MAXIMUM	144	RANGE	900.000	MINIMUM	0. 0
NAXIMON	900. 000	SUM	12422. 000		
PERCENTILE	VALUE	PERCENTILE	E VALUE	PERCENTILE	VALUE
					*****
10.00	0. 0	25 00	<b>O</b> . <b>O</b>	33. 30	0. 0
50.00	0.0	<b>66</b> . 70	O. O	75. 00	17. 000
90.00	120.000				
VALID CASE	S 285	MISSING CA	ASES 0		

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
	O	208	73. 0	73. 0	73. 0
	2	7	2. 5	2. 5	75 4
	3	35	12.3	12. 3	87.7
	4	8	28	2.8	<b>9</b> 0. <b>5</b>
	5	7	2. 5	2. 5	<b>93</b> . 0
	6	13	4.6	4. 6	97. <b>5</b>
	7	1	. 4	. 4	97. <b>9</b>
	8	1	. 4	. 4	<b>98.</b> 2
	9	1	. 4	. 4	9B. 6
	10	2	. 7	. 7	99. <b>3</b>
	12	1	. 4	. 4	99. <b>6</b>
	30	1	. 4	. 4	100. 0
	TOTAL	285	100.0	100.0	

COUNT	MIDPOINT	ONE	SYMBOL	EQUALS	APPROXI	MATELY	8. 00	OCCURRENCES
208	0. 0	****	*****	****	*****			
7	1. 5	#						
3 <b>5</b>	3. 0	****						
15	4. 5	**						
13	6. 0	**						
2	7. 5							
1	9. 0							
2	10. 5							
1	12. 0							
0	13. 5							
0	15.0							
0	16. 5							
0	18. 0							
0	19. 5							
0	21.0							
0	22. 5							
0	24. 0							
0	25. 5							
0	27.0							
0	28. 5							
1	30. 0							
		I +.	I	· . +	[ <b>+</b>	1∢	· 1	l <b>. + I</b>
		0	80	160	) ;	240	320	400
			HIS'	TOGRAM F	REQUENC'	<b>Y</b>		

FHT	FENCE HEIGHT				
MEAN MODE KURTOSIS S E SKEW MAXIMUM	1. 228 0. 0 43. 786 144 30. 000	STD ERR STD DEV S E KURT RANGE SUM	. 162 2. 734 1. 993 30. 000 350. 000	MEDIAN VARIANCE SKEWNESS MINIMUM	0. 0 7. 472 5. 062 0. 0
PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10. 00 50. 00 90. 00	0. 0 0. 0 4. 000	25. 00 66. 70	0. 0 0. 0	33. 30 75. 00	0. 0 2. 000
VALID CASE	S 285	MISSING CAS	ES 0		

# ACCESS1 FIRST ACCESS TYPE

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE SHED HANDRAIL POLES MAILBOXES BENCHES SIGNS ORNAMENTAL OTHER TYPE	0 1 3 4 5 6 7 8	203 4 22 13 13 1 14 8 7	71. 2 1. 4 7. 7 4. 6 4. 6 4. 9 2. 8 2. 5	71.2 1.4 7.7 4.6 4.6 .4 4.9 2.8 2.5	71. 2 72. 6 80. 4 84. 9 89. 5 89. 8 94. 7 97. 5
	TOTAL	285	100.0	100.0	

#### ACCESS1 FIRST ACCESS TYPE

PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10. 00	<b>0</b> . <b>0</b>	25. 00	0. 0	33. 30	0. 0
<b>50</b> . <b>00</b>	O. O	66. 70	0. 0	75. 00	3. 000
90. 00	7. 000		_		
VALID CASES	285	MISSING CASE	s o		

#### AMAT1 FIRST ACCESS MATERIAL

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE	0	203	71. 2	71. 2	71. 2
PAINTED	1	12	4. 2	4. 2	75. 4
BARE GALVANIZED	2	2	. 7	. 7	76. 1
BARE ALUMINUM	3	6	2. 1	2. 1	78. 2
BARE STEEL	4	4	1. 4	1.4	79. 6
COPPER	5	1	. 4	. 4	80.0
CONCRETE	6	1	. 4	. 4	80. 4
ORNAMENTAL METAL	7	20	7. 0	7. 0	87. 4
OTHER	9	36	12. 6	12. 6	100.0
	TOTAL	285	100 0	100.0	

		[. , , , , , , 1	<b>1</b>	<b>1</b>	I I				
	(	80	160	240	320 400				
		FREQUENCY							
MEAN	1. 842	STD ERR	. 197	MEDIAN	<b>0</b> . <b>0</b>				
MODE	0. 0	STD DEV	3, 319	VARIANCE	11.014				
KURTOSIS	. 274	S E KURT	1. 993	SKEWNESS	1. 438				
S E SKEW	. 144	RANGE	9. 000	MINIMUM	O. O				
MAXIMUM	9.000	SUM	<b>525</b> . 000						

9 ----+ OTHER I 36 I

AMAT1 FIRST- ACCESS MATERIAL

PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10.00 50.00 90.00	0. 0 0. 0 9. 000	<b>25</b> . 00 66. 70	0 0 0. 0	33. 30 75. 00	0. 0 1. 000
VALID CASES	285	MISSING CASES	0		

# AAREA1 FIRST ACCESS AREA

VALUE LABEL	VALUE	FREGUENCY	PERCENT	VALID PERCENT	CUM PERCENT
	0	203	71 2	71. 2	71. 2
	2	12	4. 2	4. 2	75. 4
	4	1	. 4	. 4	75. B
	5	1	. 4	. 4	76. 1
	6	1	. 4	. 4	76. 5
	10	6	2.1	2. 1	78. 6
	12	1	. 4	. 4	78. <del>9</del>
	15	2	. 7	. 7	79. 6
	16	3	1.1	1.1	80.7
	20	4	1.4	1.4	82. 1
	24	4	1. 4	1.4	<b>83</b> . 5
	30	9	3. 2	3. 2	86.7
	32 35	2	. 7	. 7	87. 4
	36	1	. 4	. 4	87. 7 88. 4
	40	1 1	. 4	. 4	88. 1
	45	i	. 4	. <b>4</b> . <b>4</b>	<b>88</b> . 4
	48	i	. 4	. 4	88. 8 89. 1
	50	4	1.4	1.4	90. 5
	52	1	. 4	. 4	90. 9
	54	ī	. 4	4	91. 2
	60	ž	. 7	. 7	91. 9
	64	<u> 1</u>	4	. 4	92. 3
	70	1	. 4	. 4	92. 6
	80	1	. 4	. 4	93. 0
	<del>9</del> 0	1	. 4	. 4	93. 3
	100	2	. 7	. 7	94.0
	110	1	. 4	. 4	94. 4
	115	1	. 4	. 4	94. 7
	150	1	. 4	. 4	<b>95</b> . 1
	180	1	. 4	. 4	<b>95</b> . 4
	200	2	. 7	. 7	<b>96</b> . 1
	260	1	. 4	. 4	96. 5
	300	5	. 7	. 7	97. 2
	400	1	. 4	. 4	97. 5
	500	1	. 4	. 4	97. 9
	600 630	2	. 7	. 7	98. 6
	640	1	. 4	. 4	98. 9
	2400	1 2	. <b>4</b> . <b>7</b>	. 4	99.3
	2400	<b>«</b>	. /	. 7	100.0
	TOTAL	285	100.0	100. 0	

AAREA1	FIRST ACCES	SS AREA			
COUNT	MIDPOINT	ONE SYMBOL	EQUALS APPR	DXIMATELY 8.00	OCCURRENCES
268	50	*****	****	****	
6	165	#			
3	280				
1	395				
1	510				
4	625	*			
0	740				
Ō	855				
0	970				
0	1085				
0	1200				
0	1315				
0	1430				
0	1545				
0	1660				
0	1775				
0	1890				
0	2005				
0	2120				
0	2235				
5	2350				
				+ <u> I</u> + <u></u>	
		0 80	160	240 32	0 400
		HIS	STOGRAM FREGU	ENCY	
MEAN	41, 467	STD ERR	12. 899	MEDIAN	0. 0
MODE	0. 0	STD DEV	217. 744		7412. 595
KURTOSIS	96. 803	S E KURT	1.993	SKEWNESS	9. 340
S E SKEW	. 144	RANGE	2400.000	MINIMUM	0. 0
MAXIMUM	2400.000	SUM	11818.000		
PERCENTIL	E VALUE	PERCENTIL	E VALUE	PERCENTILE	VALUE
10. 00	0. 0	25. 00	0. 0	33. 30	0. 0
50.00	0. 0	66. 70	0. 0	75. 00	2. 000
90.00	50.000	QC. 70	<b>U</b> . <b>U</b>	70.40	<b>E</b> . <b>V</b> VV
70.00	55. 550				
VALID CAS	ES <b>285</b>	MISSING C	ASES 0		

#### ACCESS2 SECOND ACCESS TYPE

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE	0	280	98. 2	98. 2	98. 2
HANDRAIL	3	1	. 4	. 4	98. 6
POLES	4	2	. 7	. 7	99. 3
MAILBOXES	5		. 4	. 4	99.6
OTHER TYPE	9	1	. 4	. 4	100.0
	TOTAL	285	100.0	100.0	

	r				
	0 -				
	NONE I			280 I	
	3 +				
	HANDRAIL I	1			
	<b>+</b> I				
	4 +				
	POLES I	2			
	<u>+</u>				
	I 5 +				
	MAILBOXES I	1			
	+				
	I 9 +				
į	DTHER TYPE I	1			
	+				
	I I	•	•		
	0		160	I I 240 320	
			FREQU		
MEAN	. 088	STD ERR	040	MEDIAN	0.0
MODE	0.0	STD DEV	. 042 . 714	MEDIAN VARIANCE	0. 0 . <b>51</b> 0
KURTOSIS	99. 770	S E KURT	1. 993	SKEWNESS	9. 454
S E SKEW	. 144	RANGE	9. 000	MINIMUM	<b>0</b> . <b>0</b>
MAXIMUM	9. 000	SUM	25. 000		
PERCENTILE	VALUE	PERCENTILE	VALUE	PERCENTILE	VALUE
10.00	0. 0	25. 00	0.0	<b>3</b> 3. <b>3</b> 0	0. 0
50.00	0. 0 0. 0	<b>66.</b> 70		75. 00	0. 0
90.00	0. 0		-· <del>-</del>		2. <b>2</b>
VALID CASES	S 285	MIRRING CAR			
AWEID CHRE	2 %62	MISSING CASE	s o		

#### AMAT2 SECOND ACCESS MATERIAL

VALUE LABEL	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE BARE ALUMINUM OTHER	0 3 9	280 1 4	98. 2 . 4 1. 4	98. 2 . 4 1. 4	98. 2 98. 6 100. 0
	TOTAL.	285	100. 0	100. 0	

		I			
	0			+	
	NONE	I		280 I	
				+	
		I			
	3	+			
BAR	E ALUMINUM	I 1			
		+			
		I			
	9	<b></b>			
	OTHER	11 4			
		-+			
		I	•	•	,
		I	160	240 320	
		0 80	FREGU		700
			FNEUC	ZENC I	
MEAN	137	STD ERR	. 064	MEDIAN	0. 0
MODE	00	STD DEV	1.074	VARIANCE	1 154
KURTOSIS	63. 839	S E KURT	1. 993	SKEWNESS	8. 034
S E SKEW	. 144	RANGE	9. 000	MINIMUM	0. 0
MAXIMUM	9.000	SUM	<b>39</b> . <b>00</b> 0		
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERCENTILE	1144 115
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERCENTILE	VALUE
10.00	0. 0	25. 00	0. 0	33. 30	0. 0
50. 00	0. 0	66. 70	0. 0	75. OO	Ö. Ö
90.00	0. 0		<b>-</b>		<b>2</b> . <b>2</b>
VALID CASE	S 285	MISSING C	ASES 0		

#### AAREA2 SECOND ACCESS AREA

VALID CASES 285

VALUE LAB	EL		VALUE	FREQUENCY	PERCENT	VALID PERCENT	
			0	280	98.2	98. 2	98. 2
			2 10	1 2	. <b>4</b> . <b>7</b>	. <b>4</b> . 7	98. 6 99. 3
			24	1	4	. 4	99. 6
			50	1	. 4	. 4	
			TOTAL	285	100. 0	100. 0	
		ı					
	0	I			28	0 1	
						+	
	_	+					
	2	I 1					
		I					
	10	1 5					
	10	+					
		I					
	24	+ I 1					
		+					
		I +					
	50	I 1		·			
		+ I					
		-	80 80	I 160 FRE		350 I .	
NEAN	. 337		STD ERR	. 200	MEDI	AN	0. 0
MODE	. 337 0. 0		STD DEV	3. 382	VARI		11.435
KURTOSIS S E SKEW	173. 368 . 144		S E KURT RANGE	1. 993 50. 000	SVEM		12. 612 0. 0
MAXIMUM	50.000		SUM	96. 000	111111		O. O
PERCENTILE	VALUE		PERCENTIL	E VALUE	PERC	ENTILE	VALUE
10. 00	0. 0		25. 00	<b>0</b> . <b>0</b>	33	. 30	0. 0
50.00	0. 0		66. 70	<b>0</b> . <b>0</b>		. 00	0. 0
90. 00	0. 0						

#### ACCESS3 THIRD ACCESS TYPE

10.00 50.00

90.00

VALID CASES

0.0

0.0

0. 0

285

STATESTICAL BEAUTIFICA PROSPERATOR

VALUE LABEL		VALUE	FREQUENCY	PERCENT	PERCENT	PERCENT
NONE MAILBOXES OTHER TYPE		0 5 9	283 1 1	99. 3 . 4 . 4	99. 3 . 4 . 4	99. 3 99. 6 100. 0
		TOTAL	285	100. 0	100. 0	
	0				+	
	NONE I	·		28	3 I <del>+</del>	
	I 5 +					
MAILE	OXES I 1 + I					
OTHER	9 + TYPE I 1 + I					
	Ĭ O	80 80	160 FRE	240 GUENCY	1. 320	400
		STD ERR	. 036	MEDI		0. 0
		STD DEV	. 609		ANCE	. 371
KURTOSIS 180.		S E KURT	1. 993	SKEW		13. 167
	144	RANGE SUM	9. 000 14. 000	MINI	MOM	0. 0
PERCENTILE V	ALUE	PERCENTIL	E VALUE	PERC	ENTILE	VALUE

VALID

CUM

0. 0 0. 0

33. 30 75. 00

0.0

0.0

**25**. 00

66. 70

# AMAT3 THIRD ACCESS MATERIAL

VALID CASES 285

VALUE LAB NONE OTHER	EL	VALUE 0 9 TOTAL	FREQUENCY 283 2  285		VALID PERCENT 99.3 .7 	PERCENT
	O NONE I			28	3 I	
	I 9 + OTHER I +	2				
	0	I 80	160		1. 320	I 400
MEAN MODE KURTOSIS S E SKEW MAXIMUM	. 063 0. 0 139. 972 . 144 9. 000	STD ERR STD DEV S E KURT RANGE SUM	. 045 . 753 1. 993 9. 000 18. 000	VAR I SKEW	AN ANCE INESS MUM	0. 0 , 566 11. B74 0. 0
PERCENTILE	VALUE	PERCENTILE	VALUE	PERC	ENTILE	VALUE
10.00 50.00 90.00	0. 0 0. 0 0. 0	25. 00 66. 70	0. 0 0. 0		. <b>30</b> . <b>00</b>	0. 0 0. 0

#### AAREA3 THIRD ACCESS AREA

BESTER PRODUCED RESPONDE TO THE PRODUCED PRODUCE

VALUE LABE	EL		VALUE 0 24 28	FREQUENCY 283 1 1	PERCENT  99. 3 . 4 . 4	VALID PERCENT 99.3 .4 .4	CUM PERCENT 99. 3 99. 6 100. 0
			TOTAL	285	100. 0	100. 0	
		I					
	0	I			28	3 İ	
		I +					
	24	I 1					
		I +					
	28	I 1 +					
		I I		<b>1</b>	240	I	I 400
				FRE	EQUENCY		
MEAN MODE KURTOSIS S E SKEW MAXIMUM	. 182 0. 0 143. 376 . 144 28. 000		STD ERR STD DEV S E KURT RANGE SUM	. 129 2. 181 1. 993 28. 000 52. 000	VAR I SKEL	(AN (ANCE INESS (MUM	0.0 4.755 11.980 0.0
PERCENTILE	VALUE		PERCENTIL	E VALUE	PER	CENTILE	VALUE
10.00 50.00 90.00	0. 0 0. 0 0. 0		25. 00 66. 70	0. 0 0. 0		3. 30 5. 00	0. 0 0. 0
VALID CASES	285		MISSING C	ASES 0			

#### ACCESS4 FOURTH ACCESS TYPE

VALUE LABE	-	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE		o	285	100.0	100. 0	100. 0
		TOTAL	285	100.0	100. 0	
	ı					
	NONE J				85 I	
	I I. O		160		I. 320	I 400
MEAN MODE RANGE SUM	0. 0 0. 0 0. 0 0. 0	STD ERR STD DEV MINIMUM	0. 0 0. 0 0. 0		ANCE	0. 0 0. 0 0. 0
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERC	ENTILE	VALUE
10.00 50.00 90.00	0. 0 0. 0 0. 0	<b>25</b> . 00 <b>66</b> . 70	0. 0 0. 0		30 . 00	0. 0 0. 0
VALID CASES	285	MISSING C	ASES 0			

#### AMAT4 FOURTH ACCESS MATERIAL

FOREIT PARAGRAS SERVICES BARRIORS SINGSONS O

VALUE LABEL		VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE		0	285	100.0	100.0	100.0
		TOTAL	285	100. 0	100. 0	
	O NGNE	I I		2	+ 85 I	
		I I I 0	160	I 240 GUENCY	350	I 400
MEAN MODE	0. 0 0. 0	STD ERR STD DEV	0. 0 0. 0	MEDI VARI		0. 0 0. 0
RANGE SUM	0. 0 0. 0	MINIMUM	0. 0	MAXI	·	0. 0
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERC	ENTILE	VALUE
10. 00 50. 00 90. 00	0. 0 0. 0 0. 0	25. 00 66. 70	0. 0 0. 0		. <b>30</b>	0. 0 0. 0
VALID CASES	285	MISSING C	ASES 0			

#### AAREA4 FOURTH ACCESS AREA

VALUE LABE	-		VALUE F	REQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
			٥	285	100.0	100. 0	100. 0
			TOTAL	285	100. 0	100.0	
		I					
	0	I				85 I	
		I	<b>I</b>			•	T
		Ō		160			400
MODE	0. 0 0. 0 0. 0 0. 0		STD ERR STD DEV MINIMUM	0. 0 0. 0 0. 0	VARI	AN ANCE MUM	0. 0 0. 0 0. 0
PERCENTILE	VALUE		PERCENTILE	VALUE	PERC	ENTILE	VALUE
10.00 50.00 90.00	0. 0 0. 0 0. 0		25. 00 66. 70	0. 0 0 0		. <b>30</b> . <b>00</b>	0. 0 0. 0
VALID CASES	285		MISSING CAS	ES 0			

#### ACCESS5 FIFTH ACCESS TYPE

VALUE LABEL		VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE		0	285	100. 0	100. 0	100. 0
		TOTAL	285	100. 0	100.0	
	O ·	<u> </u>		2	285 I	
		I I	160 FRE		1. 320	I 400
MEAN MODE RANGE SUM	0. 0 0. 0 0. 0 0. 0	STD ERR STD DEV MINIMUM	0. 0 0. 0 0. 0		AN ANCE MUM	0. 0 0. 0 0. 0
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERC	ENTILE	VALUE
10. 00 50. 00 90. 00	0. 0 0. 0 0. 0	<b>2</b> 5. 00 <b>6</b> 6. 70	0. 0 0. 0		3. <b>30</b> 5. <b>0</b> 0	0. 0 0. 0
VALID CASES	285	MISSING (	CASES 0			

#### AMAT5 FIFTH ACCESS MATERIAL

VALID CASES 285

VALUE LABE	L	VALUE	FREQUENCY	PERCENT	VALID PERCENT	CUM PERCENT
NONE		o	285	100.0	100. 0	100. O
		TOTAL	285	100.0	100. 0	
	_	ı				
	NONE	I		2	85 I	
		I II	I 160	I 240 GUENCY	I. 320	I 400
MEAN MODE RANGE SUM	0. 0 0. 0 0. 0 0. 0	STD ERR STD DEV MINIMUM	0. 0 0. 0 0. 0	MEDI	ANCE	0. 0 0. 0 0. 0
PERCENTILE	VALUE	PERCENTIL	E VALUE	PERC	ENTILE	VALUE
10. 00 50. 00 90. 00	0. 0 0. 0 0. 0	25. 00 66. 70	0. 0 0. 0		). <b>30</b> ). <b>00</b>	0. 0 0. 0

#### AAREA5 FIFTH ACCESS AREA

AND BENEVIEW AND SECOND SECONDS SECOND

VALUE LABE	-			FREQUENCY		VALID PERCENT	CUM PERCENT
			O	285	100. 0	100. 0	100. 0
			TOTAL	285	100. 0	100. 0	
		I					
	0	1			2	85 I	
		I I. O	I 80	160	I 240 GUENCY	1. 320	I 400
MEAN MODE RANGE SUM	0. 0 0. 0 0. 0 0. 0		STD ERR STD DEV MINIMUM	0. 0 0. 0 0. 0	MEDI VARI MAXI	ANCE	0. 0 0. 0 0. 0
PERCENTILE	VALUE		PERCENTILE	VALUE	PERC	ENTILE	VALUE
10. 00 50. 00 90. 00	0. 0 0. 0 0. 0		25. 00 66. 70	0. 0 0. 0		). <b>30</b> 5. <b>00</b>	0. 0 0. 0
VALID CASES	285		MISSING CA	SES 0			

